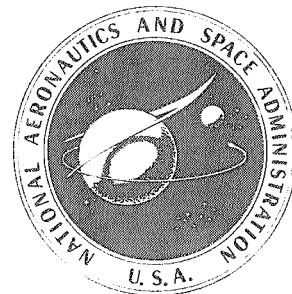


SEMICLASSICAL ELASTIC
SCATTERING CROSS SECTIONS
FOR A CENTRAL FIELD
POTENTIAL FUNCTION

STALLCOP

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SUMMARY

The semiclassical approximation to the partial wave description of scattering in this report consists of: (1) the approximation of the phase shifts by the JWKB method and (2) the evaluation of the scattering amplitude by the stationary phase method or other related approximate means. For a given energy, this semiclassical approximation is accurate when $kr_e \gg 1$, where k is the wave number of the relative motion and r_e is the scale of the interaction potential ($r_e \sim 1\text{\AA}$ for atomic or molecular scattering).

A uniform approximation to the phase shift for energies in the barrier region of the effective potential energy is developed by a WKB-type method; it is valid for all energies, regardless of whether they are near or far from the barrier maximum, and can be used to estimate the resonance contributions to the scattering which are not accounted for in the JWKB approximation.

The classical deflection angle and its derivatives with respect to the impact parameter have been computed numerically for the central field potential energy function,

$$V(r) = \frac{12\alpha\epsilon}{(3-\gamma)\alpha-12} \left[\frac{e^{\alpha(1-r/r_e)}}{\alpha} - \frac{\gamma}{6} \left(\frac{r_e}{r} \right)^6 - \frac{1-\gamma}{4} \left(\frac{r_e}{r} \right)^4 \right]$$

where r is the distance to the scattering center and α , γ , ϵ , and r_e are potential parameters, for values of the relative collision energy E in the range $0.2\epsilon \leq E \leq 20\epsilon$, of the steepness of repulsion parameter α in the range $8 \leq \alpha \leq 16$, and the parameter γ which specifies the relative importance of the 4th and 6th power attraction terms in the range $0 \leq \gamma \leq 1$. Computed quantities are presented in tables and can be used to determine the low-resolution, semiclassical, differential cross section for elastic scattering in this potential. As an example, cross sections for the elastic scattering of a nitrogen ion by a nitrogen atom are presented.

The development and the application of the semiclassical scattering approximation are outlined. Partial scattering amplitude formulas that are not limited to the JWKB phase shifts are presented.

INTRODUCTION

The need for evaluating the differential elastic scattering cross section for a given interaction potential arises frequently in the calculation of dynamic properties of a collection of atoms and molecules or in the analysis of measured cross sections to determine the potential energy.¹ It will be assumed that the potential energy depends spatially only upon the magnitude of the internuclear separation distance r . This central field approximation is fairly good for interatomic potentials, but for intermolecular potentials it is valid only for large r , where the potential is not strongly dependent upon the relative orientations of the molecules. For small r a central field potential represents an average over these molecular orientations.

Given the potential, the cross section² can be calculated accurately with the partial wave method (ref. 1) in the center of mass system of the colliding particles, where the number of dynamical variables can be reduced to those of a single particle (of reduced mass $\mu = m_1 m_2 / (m_1 + m_2)$ where m_1 and m_2 are the colliding particle masses).

However, depending upon the given scattering conditions, the number of partial waves required may be so enormous that approximate methods are necessary as a practical matter. The low-resolution semiclassical approximation makes the problem tractable through the use of JWKB phase shifts and an integral treatment of the partial wave sum; it contains the classical cross section as well as the rainbow and glory (enhancement of scattering that occurs when the classical deflection angle has an extremum or is a multiple of π) cross sections of Ford and Wheeler (refs. 3 and 4). This approximation is accurate when kr_e is large (k is the wave number of the relative motion and the equilibrium separation distance r_e is taken as the interaction length here).

A number of tables available in the literature can be used to obtain low-resolution semiclassical cross sections for scattering in a potential which is suitable for ion-neutral or neutral-neutral interactions. Mason (ref. 5) has published tables for classical scattering in a potential that is similar to a Lennard-Jones potential in that it contains a $1/r^{12}$ repulsion and a $1/r^6$ attraction, but that also has a $1/r^4$ long-range attraction. For a potential with a $1/r^6$ long-range attraction, there are the tables for classical scattering in a Lennard-Jones potential given by Hirshfelder, Curtiss, and Bird (ref. 6) and in a Buckingham potential given by Mason (ref. 7). For rainbow scattering in a Lennard-Jones potential, there are the tables of Mason (ref. 8), and in a Kihara potential (a Lennard-Jones potential with a hard

¹The uniqueness of the potential for a given scattering cross section will be assumed here. For a consideration of this matter and references to earlier work, see reference 1. Sabatier (ref. 2) shows that if the potential falls off faster than $1/r^4$ for large r , it can be uniquely determined from a knowledge of all phase shifts at one energy.

²Unless stated otherwise, the differential elastic scattering cross section will be referred to simply as the "cross section" in this report.

core) there are those of Schlier (ref. 9). Tables for glory scattering in a Kihara potential are given by Düren and Pauly (ref. 10).

However, these tables are not completely satisfactory for several reasons. For one thing, the potential functions represented do not always fit the shape of the observed potentials closely. In addition, resonance effects for energies that are near the barrier maximum (that is, the maximum in the effective potential energy that occurs when the contribution due to angular momentum is included) are not taken into account. The present work was undertaken to improve upon these deficiencies.

The primary objectives of the present paper are: (1) to develop an approximation to the partial wave method of calculating cross sections that is valid for any range of energies, including the barrier region, and (2) to tabulate those quantities which are needed for calculations of the low-resolution semiclassical cross sections, for scattering in a general form of potential that can be fit closely to observed interatomic potential curves.

A table of symbols and their definitions is contained in appendix A.

THEORY

Partial Wave Decomposition of the Scattering Amplitude

Several lucid accounts of the partial wave decomposition of the scattering amplitude appear in the literature (e.g., see ref. 1). The partial wave method is outlined briefly in this section.

The time-independent Schroedinger equation for the motion of a particle in a central field potential $V(r)$ is

$$\left\{ \nabla^2 - \frac{2\mu}{\hbar^2} [V(r) - E] \right\} \Psi = 0 \quad (1)$$

The wave function Ψ is assumed to behave asymptotically for large r as follows:

$$\Psi \rightarrow e^{i\vec{k} \cdot \vec{r}} + f(\theta) \frac{e^{ikr}}{r} \quad (r \rightarrow \infty) \quad (2)$$

where the first term represents a plane wave propagating in the direction \vec{k}/k (incident beam) and the second term represents an outgoing spherical wave (scattered particles). The quantity $f(\theta)$ is called the scattering amplitude for the angle of observation θ . Equation (1) is separable in spherical coordinates so that Ψ can be written in the form

$$\Psi = \sum_{l=0}^{\infty} \frac{G_l(r)}{r} P_l(\cos \theta) \quad (3)$$

where $P_l(\cos \theta)$ is a Legendre polynomial and $G_l(r)$ satisfies the radial equation

$$\left\{ \frac{d^2}{dr^2} - \frac{2\mu}{\hbar^2} \left[V(r) + \frac{l(l+1)\hbar^2}{2\mu r^2} - E \right] \right\} G_l(r) = 0 \quad (4)$$

with the boundary conditions:

$$G_l(r=0) = 0 \quad (5)$$

and for r sufficiently large that $V(r)$ is negligibly small,

$$G_l(r) \approx kr \left[\cos(\eta_l) j_l(kr) - \sin(\eta_l) n_l(kr) \right] \xrightarrow{r \rightarrow \infty} \sin\left(kr - l \frac{\pi}{2} + \eta_l\right) \quad (6)$$

The free particle solutions $j_l(kr)$ and $n_l(kr)$ are spherical Bessel and Neumann functions, respectively, and η_l (the difference in phase between $G_l(r)$ and the free particle wave function) is called the l th partial wave phase shift. Using equations (2), (3), and (6) with $e^{i\vec{k} \cdot \vec{r}}$ expanded in terms of $j_l(kr)$ and $P_l(\cos \theta)$, one can obtain the scattering amplitude in the form

$$f(\theta) = \frac{1}{2ik} \sum_{l=0}^{\infty} (2l+1) (e^{2i\eta_l} - 1) P_l(\cos \theta) \quad (7)$$

From its definition, the differential elastic scattering cross section is³

$$\sigma(\theta) = |f(\theta)|^2 \quad (8)$$

and can be expressed in terms of the phase shifts through equation (7).

Phase Shift Approximation

In general, one may first obtain $G_l(r)$ by numerical integration of equation (4) and may then calculate the phase shifts from

$$\tan \eta_l = j_l(kr_N)/n_l(kr_N) \quad (9)$$

³The colliding particles are assumed to be distinguishable here; if they are not, $f(\theta)$ in equation (8) is replaced by $f(\theta) \pm f(\pi - \theta)$, where the upper (lower) sign is used when the total spin of the system of colliding particles is even (odd), and all expressions for the cross section following equation (8) are then also modified in a corresponding way.

where r_n is a root of $G_l(r)$ ($G_l(r_n) = 0$) and is sufficiently large that $V(r_n)$ is negligibly small. The number of partial waves that contribute significantly to the scattering increases as the value of kr_e is increased; hence, an exact calculation of the cross section becomes quite laborious for large values of kr_e .

The WKB approximation can be applied to $G_l(r)$ when the local wavelength $2\pi/k(r)$ varies slowly with distance (ref. 11, p. 158), that is, when

$$\left| \frac{d}{dr} \frac{1}{k(r)} \right| \ll 1 \quad (10)$$

it leads to the JWKB approximation to the phase shift (e.g., see ref. 12, p. 330):

$$\eta \approx \eta_{\text{JWKB}} = \int_{r_c}^{\infty} [k(r) - k] dr - kr_c + \left(l + \frac{1}{2} \right) \frac{\pi}{2} \quad (11)$$

The local wave number $k(r)$ is defined to have the form⁴

$$k(r) = k \sqrt{1 - \frac{V(r)}{E} - \left(\frac{l + 1/2}{kr} \right)^2} \quad (12)$$

The turning point r_c is the classical distance of closest approach and is the largest r which satisfies

$$1 - \frac{V(r_c)}{E} - \left(\frac{l + 1/2}{kr_c} \right)^2 = 0 \quad (13)$$

The JWKB phase shifts are related to the classical deflection angle

$$\chi = \pi - 2b \int_{r_c}^{\infty} \frac{1}{r^2} \frac{1}{\sqrt{1 - \frac{V(r)}{E} - \frac{b^2}{r^2}}} dr \quad (14)$$

by the equation (e.g., see ref. 1, p. 574)

$$2 \frac{d\eta_{\text{JWKB}}}{dl} - \chi = 0 \quad (15)$$

⁴The Langer modification, that is, the replacement of $l(l+1)$ by $(l + 1/2)^2$, has been used here (see refs. 13, 14, and ch. 11 of ref. 15). One can easily verify that this replacement yields the correct behavior near the origin and the correct phase when r is large for the free particle wave function in the JWKB approximation.

if the classical angular momentum for the impact parameter b (see fig. 1) is set equal to the quantum mechanical angular momentum for the λ th partial wave, that is, if

$$b = \frac{\lambda + \frac{1}{2}}{k} \quad (16)$$

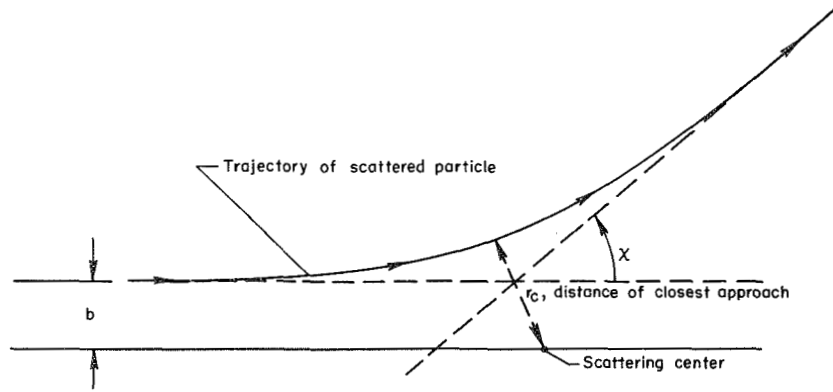


Figure 1.- Trajectory for classical scattering into deflection angle χ for impact parameter b .

For large values of λ such that $V(r)/E$ is small compared to unity over the range of integration, the series expansion of Smith, Marchi, and Dedrick (ref. 16) provides a useful approximation. From their results, the JWKB phase shift can be expressed in the form⁵

$$\eta_{\text{JWKB}} = \frac{k}{2} \int_{b^2}^{\infty} F(z) (z - b^2)^{1/2} dz \quad (17a)$$

where

$$F(z) = \sum_{n=0}^{\infty} \frac{1}{\Gamma(n+2)} \frac{d^{n+1}}{dz^{n+1}} \left\{ z^n \left[\frac{V(z^{1/2})}{E} \right]^{n+1} \right\} \quad (17b)$$

and b is related to λ through equation (16). When the potential falls off as an inverse power of r for large r ,

⁵Taking relation (11) and changing the integration variable from r to $z = r^2\{1 - [V(r)/E]\}$, one can readily show that η_{JWKB} can be written in the form (17a) with $F(z) = -d[\ln(z/r^2)]/dz$. In reference 16, $F(z)$ is expanded by the method of Lagrange to yield relation (17b).

$$V(r) \rightarrow D \left(\frac{r_e}{r} \right)^\nu \quad \nu \geq 2 \quad (18)$$

the integration can be carried out analytically and the phase shift becomes

$$\eta_{\text{JWKB}} = \frac{\lambda}{4} \sum_{n=0}^{\infty} \frac{\Gamma\left(\frac{n+1}{2}\right) \Gamma\left(\frac{\nu-1}{2}\right) \Gamma\left(\frac{1}{2}\right)}{\Gamma(n+2) \Gamma\left(\frac{n+1}{2}\right) \Gamma\left(\frac{\nu-n}{2}\right)} \left[-\frac{D}{E} \left(\frac{kr_e}{\lambda} \right)^\nu \right]^{n+1} \quad (19)$$

This series converges absolutely when

$$\frac{\left(\frac{\nu}{2}\right)^{\nu/2}}{\left(\frac{\nu}{2} - 1\right)^{(\nu/2)-1}} \left(\frac{kr_e}{\lambda} \right)^\nu \frac{|D|}{E} < 1 \quad (20)$$

The effective potential energy

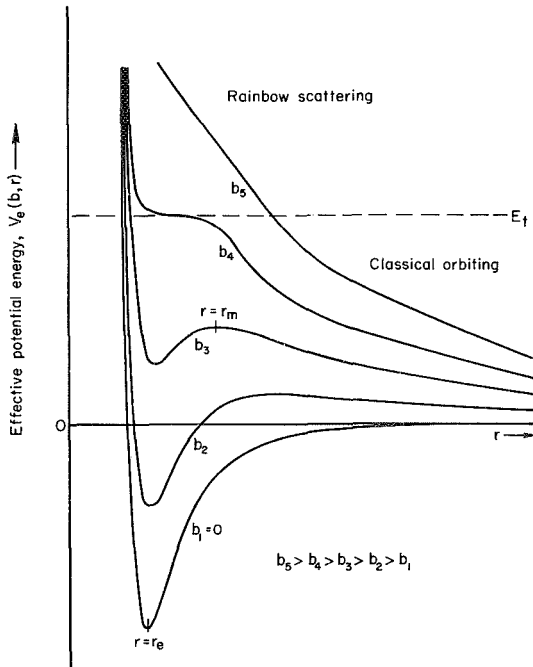


Figure 2.- Diagram of effective potential energy curves for a fixed value of the collision energy and various values of impact parameter b .

$$V_e(b, r) = \frac{b^2 E}{r^2} + V(r) \quad (21)$$

corresponding to a realistic inter-atomic potential, such as that of the potential function (38) used here, has a barrier (figs. 2 and 3) for small but nonzero values of b . Depending upon the given scattering conditions, the cross section calculated from η_{JWKB} may not be sufficiently accurate for energies in the barrier region. The JWKB phase shift is discontinuous and its derivative is infinite when the energy is equal to the barrier maximum; it also does not account for barrier penetration at energies below the barrier maximum nor for resonance effects arising from the energy levels of the inner potential well. A uniform approximation to the phase shift for energies in the barrier region is derived by a

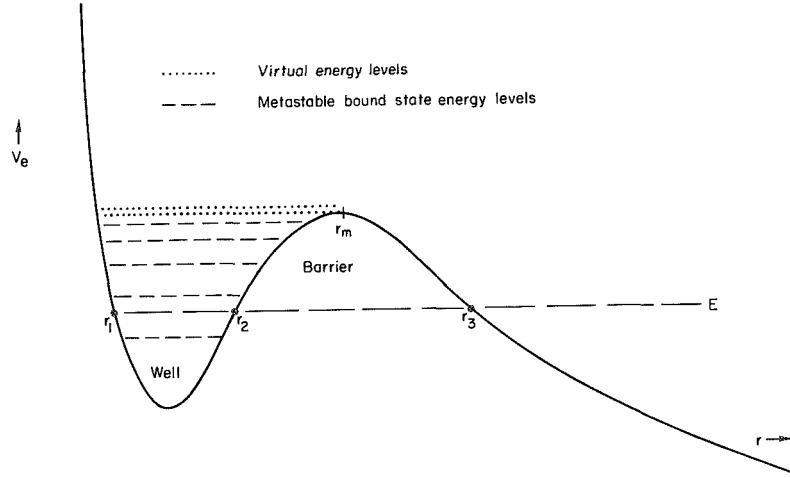


Figure 3.- Effective potential energy.

WKB-type method in appendix B; it has the form

$$\eta \approx \tan^{-1} \left[\frac{\sqrt{1 + e^{-2(I+\tau)}} - 1}{\sqrt{1 + e^{-2(I+\tau)}} + 1} \tan(\varphi + \rho) \right] + \rho + \operatorname{Re} \left\{ \int_{r_3}^{\infty} [k(r) - k] dr - kr_3 \right\} + \frac{(l + 1/2)\pi}{2} \quad (22)$$

where

$$\rho = \frac{1}{2} \arg \Gamma\left(\frac{1}{2} + \frac{iI}{\pi}\right) - \frac{I}{2\pi} \ln \left| \frac{I}{\pi e} \right| \quad (23a)$$

$$\tau = \frac{1}{2} \ln \left[\frac{\Gamma(1/2 + \varphi/\pi)}{\sqrt{2\pi}} \right] - \frac{\varphi}{2\pi} \ln \left| \frac{\varphi}{\pi e} \right| \quad (23b)$$

and the phase integrals are defined:

$$\varphi = \operatorname{Re} \int_{r_1}^{r_2} k(r) dr \quad (24a)$$

$$I = -i \int_{r_2}^{r_3} k(r) dr \quad (24b)$$

The integration limit r_1 is the innermost classical turning point of the potential well (fig. 3). The limits r_2 and r_3 are the inner and outer classical turning points, respectively, of the barrier when the energy is below the barrier maximum. When the energy is above the barrier maximum, r_1 is the classical distance of closest approach, but the zeros of $k^2(r)$, r_2 and r_3 , are complex conjugates; the imaginary parts of r_2 and r_3 are greater than and less than zero, respectively. By definition of the argument of $k(r)$, I is real and is greater (less) than zero when the energy is below (above) the barrier maximum. Some simpler expressions for the phase shift and a comparison with other results appearing in the literature are also given in appendix B.

Scattering Amplitude Approximation

The approximate evaluation of $f(\theta)$ when a large number of partial waves contribute significantly to the scattering is considered next. The sum over l on the right-hand side of equation (7) is replaced by an integral over l , where P_l and η_l are treated as continuous functions of l , and P_l is approximated by its asymptotic form for large l (ref. 17, p. 157 and ref. 18, p. 533):

$$P_l(\cos \theta) \approx \begin{cases} (\cos \theta)^l J_0 \left[\left(l + \frac{1}{2} \right) \sin \theta \right] & l \sin \theta \leq 1 \\ \sqrt{\frac{2}{l\pi \sin \theta}} \sin \left[\left(l + \frac{1}{2} \right) \theta + \frac{\pi}{4} \right] & l \sin \theta \geq 1 \end{cases} \quad (25a)$$

$$\sqrt{\frac{2}{l\pi \sin \theta}} \sin \left[\left(l + \frac{1}{2} \right) \theta + \frac{\pi}{4} \right] \quad l \sin \theta \geq 1 \quad (25b)$$

Here J_0 is a Bessel function of the first kind. The major contributions to $f(\theta)$ come from the points of stationary phase; that is, since the integrands are rapidly varying functions, only the regions of l near those values of l for which the phases of the integrands in the sum

$$f(\theta) \rightarrow \frac{1}{k} \sum_{m=-\infty}^{\infty} \int \left(l + \frac{1}{2} \right) g_m(l, \theta) e^{i(2\eta_l - m\pi)} dl + \frac{i}{k} \delta(1 - \cos \theta) \quad (26a)$$

where

$$g_m(l, \theta) = \begin{cases} J_0 \left[\left(l + \frac{1}{2} \right) \sin \theta \right] e^{i\{[l+(1/2)](2m\pi \pm \theta_g) - (1/2)(\pi \pm \theta_g)\}} & l \sin \theta \leq 1 \\ e^{i\{[l+(1/2)](2m\pi + \theta) - (3/4)\pi\}} + e^{i\{[l+(1/2)](2m\pi - \theta) - (\pi/4)\}} & l \sin \theta \geq 1 \end{cases} \quad (26b)$$

have an extremum contribute appreciably to $f(\theta)$. The angle θ_g is set equal to $0(\pi)$ for forward (backward) scattering and $\delta(x)$ is the Dirac delta function for argument x . As long as the points of stationary phase are well separated, the integral is evaluated by the method of stationary phase (refs. 19 and 20), in which the phase shift is approximated by a parabolic expansion about the extremum value l_c . When dn/dl is a multiple of $\pi/2$ or has an extremum, there are stationary phase points that are close together; following Ford and Wheeler (ref. 3), their contribution is combined in the glory and rainbow approximations. For glory scattering, the phase shift is expanded about the value l_g for which dn/dl is a multiple of $\pi/2$, and the resulting integral is evaluated by a stationary phase type of method. For rainbow scattering, the phase shift is expanded about the value l_r for which $d^2\eta/dl^2 = 0$ and the integral then is approximated by an Airy function (ref. 20). The scattering amplitude can then be written as a sum

$$f(\theta) = \sum_n f_n(\theta) \quad (26c)$$

of partial scattering amplitudes

$$f_n(\theta) = \sigma_n(\theta)^{1/2} e^{i\omega_n} \quad (26d)$$

where each of the partial cross sections $\sigma_n(\theta)$ and phases ω_n has one of the following forms:⁶

Classical:

$$l_c \sin \theta \geq 1$$

$$2\eta'_c + 2m\pi \pm \theta = 0 \quad (27a)$$

$$\sigma_c(\theta)^{1/2} = \frac{1}{k} \left(\frac{l_c + 1/2}{\sin \theta} \right)^{1/2} \frac{1}{(2|\eta''_c|)^{1/2}} \quad (27b)$$

$$\omega_c = 2\eta_c - 2\eta'_c \left(l_c + \frac{1}{2} \right) + \frac{\eta''_c}{|\eta''_c|} \frac{\pi}{4} \pm \frac{\pi}{4} + (1 \pm 1) \frac{\pi}{2} - m\pi \quad (27c)$$

⁶The partial scattering amplitudes of equations (27) through (29) reduce to the results of Ford and Wheeler (ref. 3) if one uses the JWKB phase shifts. The JWKB approximation is not applied at this time, in order to present the general partial scattering amplitude formulas. These formulas would yield more accurate cross sections if the exact values of the phase shifts were used in preference to the JWKB phase shifts. The partial scattering amplitude of equation (30) can be readily obtained by combining the procedures of Ford and Wheeler for deriving the rainbow and glory approximations.

Rainbow

$$l_r \sin \theta \gtrsim 1$$

$$\eta_r'' = 0 \quad (28a)$$

$$2\eta_r' + 2m\pi \pm \theta_r = 0 \quad (28b)$$

$$\sigma_r(\theta)^{1/2} = \frac{(2\pi)^{1/2}}{k} \left(\frac{l_r + 1/2}{\sin \theta} \right)^{1/2} \frac{\text{Ai} \left[\pm (\theta - \theta_r) / \eta_r'''^{1/3} \right]}{|\eta_r'''|^{1/3}} \quad (28c)$$

$$\omega_r = 2\eta_r - [2\eta_r' \mp (\theta - \theta_r)] \left(l_r + \frac{1}{2} \right) \pm \frac{\pi}{4} + (1 \pm 1) \frac{\pi}{2} - m\pi \quad (28d)$$

Glory

$$l_g \sin \theta \lesssim 1$$

$$2\eta_g' + 2m\pi + \theta_g = 0 \quad (29a)$$

$$\sigma_g(\theta)^{1/2} = (2\pi)^{1/2} \left(\frac{l_g + 1/2}{k} \right) \frac{J_0[(l_g + 1/2) \sin \theta]}{(2|\eta_g''|)^{1/2}} \quad (29b)$$

$$\omega_g = 2\eta_g - 2\eta_g' l_g + \frac{\eta_g''}{|\eta_g''|} \frac{\pi}{4} - \frac{\pi}{2} \quad (29c)$$

Rainbow-glory

$$l_r \sin \theta \lesssim 1$$

$$\eta_r'' = 0 \quad (30a)$$

$$2\eta_r' + 2m\pi \pm \theta_r = 0 \quad (30b)$$

$$\sigma_r(\theta)^{1/2} = 2\pi \left(\frac{l_r + 1/2}{k} \right) \frac{\text{Ai} \left[\pm (\theta_g - \theta_r) / \eta_r'''^{1/3} \right]}{|\eta_r'''|^{1/3}} J_0 \left[\left(l_r + \frac{1}{2} \right) \sin \theta \right] \quad (30c)$$

$$\omega_r = 2\eta_r - [2\eta_r' \mp (\theta_g - \theta_r)] l_r - \frac{\pi}{2} \quad (30d)$$

where

$$\eta' = \frac{d\eta}{dl}, \quad \eta'' = \frac{d^2\eta}{dl^2}, \text{ etc.}$$

and

$$m = 0, \pm 1, \pm 2, \dots$$

The phase shift and its derivatives are evaluated at the particular value of l (l_c , l_r , or l_g) which satisfies the relation given in part (a) of the above expressions for the partial scattering amplitudes. The rainbow angle θ_r is determined from equation (28b) or (30b). The term $Ai(x)$ is called the Airy function; values for it, which were calculated by Miller (ref. 21), are given in table I.

Because of the conditions placed upon $l_n \sin \theta$, the partial scattering amplitudes (27) and (28) are to be used only when θ is not close to 0 or π ; whereas those of (29) and (30) are valid when θ is close to 0 or π . Furthermore, it should be noted that equations (27) give the partial scattering amplitude only at the particular value of θ which appears in part (a); on the other hand, equations (28) give the partial scattering amplitude for all values of θ that are near θ_r , equations (29) give it for values of θ near 0 or π , and equations (30) give it for values of θ near both θ_r and 0 or π .

For small θ , the scattering amplitude for a potential that falls off like $1/r^\nu$ for large r can be approximated by a power series in θ^2 . If the lowest order term in the sum on the right-hand side of equation (19) is taken for the phase shift, the integral from which the partial scattering amplitudes were derived above can be evaluated analytically (ref. 22) to give the small-angle scattering amplitude $f_s(\theta)$ in the form

$$f_s(\theta) \approx -\frac{1}{k} \frac{\pi}{2(\nu-1)} \sum_{n=0}^{\infty} \frac{(-1)^n}{[\Gamma(n+1)]^2} \frac{(2C_v)^{2\frac{n+1}{\nu-1}}}{\Gamma\left(2\frac{n+1}{\nu-1} + 1\right)} \left[\frac{\frac{D}{|D|}}{\cos\left(\frac{n+1}{\nu-1}\pi\right)} - \frac{i}{\sin\left(\frac{n+1}{\nu-1}\pi\right)} \right] \left(\frac{\theta}{2}\right)^{2n} \quad (31a)$$

where

$$C_v = \frac{\Gamma\left(\frac{1}{2}\right)\Gamma\left(\frac{\nu-1}{2}\right)}{4\Gamma\left(\frac{\nu}{2}\right)} \frac{|D|}{E} (kr_e)^\nu \quad (31b)$$

The summation index n is restricted to positive integers less than $(\nu-3)/2$ and $\nu-2$ in the real and imaginary parts, respectively, of the expression (31a).

The Low-Resolution Cross Section

When more than one partial scattering amplitude contributes to $f(\theta)$ for a given θ (i.e., when the sum (26) contains more than one term), the differential cross section contains additional interference effects not already accounted for in the rainbow and glory approximations. From the scattering amplitude (26), the cross section can be written

$$\sigma(\theta) = \sigma_{LR}(\theta) \left[1 + 2 \sum_{\substack{m,n \\ m < n}} \frac{\sigma_m^{1/2}(\theta) \sigma_n^{1/2}(\theta)}{\sigma_{LR}(\theta)} \cos(\omega_m - \omega_n) \right] \quad (32a)$$

where

$$\sigma_{LR}(\theta) = \sum_n \sigma_n(\theta) \quad (32b)$$

In equation (32) the cross section has been separated into a low-resolution part $\sigma_{LR}(\theta)$ and a sum of interference terms. If the angular resolution of the apparatus for measuring the cross sections is limited to an angular width that is considerably greater than the angular width of the interference structure of the cross section, only the low-resolution cross section will be observed. For the JWKB approximation for the phase shifts, the angular width of the interference structure due to two partial scattering amplitudes f_n and f_m , for a given θ not close to 0 or π , is approximately $2\pi/|l_m \pm l_n|$ where l_m, l_n satisfy equation (27a) or (28a). From the reduced impact parameter $\beta = b/r_e$ and relation (16), this width becomes $2\pi/|\beta_m \pm \beta_n|kr_e$; hence, it is small for a given $|\beta_m \pm \beta_n|$ when $kr_e \gg 1$.⁷

Equation (32b) defines the low resolution semiclassical cross section when the partial scattering cross sections $\sigma_n(\theta)$ are calculated in the semiclassical approximation. The JWKB approximation to the phase shifts, the semiclassical relation (16), and the scattering amplitude approximations of equations (27), (28), (29), and (30) are combined to give the semiclassical approximation.

⁷It was noted in the Introduction that the semiclassical approximation is accurate when kr_e is large. In fact, for kr_e sufficiently large, it can be seen that: (1) the number of partial waves which contribute appreciably to the scattering is large (e.g., from the first term of eq. (19), this number is proportional to $(kr_e)^{(\nu-2)/(\nu-1)}$), (2) the criterion (10) (the left-hand side of which is proportional to $1/kr_e$) for the validity of the WKB approximation is satisfied except, of course, near the turning point; (3) the phase shifts are large (consider eq. (11)); and (4) the following conditions for the separability of $f(\theta)$ into partial scattering amplitudes can be met:

$$|\Delta\beta| \left| \frac{d\chi}{d\beta} \right|_{l=l_c, l_g}^{1/2} (kr_e)^{1/2} \gg 1 \quad \text{classical, glory}$$

and

$$|\Delta\beta| \left| \frac{d^2\chi}{d\beta^2} \right|_{l=l_r}^{1/3} (kr_e)^{1/3} \gg 1 \quad \text{rainbow}$$

where $\Delta\beta$ is related to the difference between two consecutive values of l_c , l_g , or l_r through equation (16).

The low-resolution semiclassical partial cross sections can then be written as functions of β and χ in the following forms:

Classical

$$\chi + 2m\pi \pm \theta = 0 \quad (33a)$$

$$\sigma_c(\theta) = r_e^2 \frac{\beta}{\sin \theta} \frac{1}{\left| \frac{d\chi}{d\beta} \right|} \quad (33b)$$

Rainbow

$$\frac{d\chi}{d\beta} = 0 \quad (34a)$$

$$\chi + 2m\pi \pm \theta_r = 0 \quad (34b)$$

$$\sigma_r(\theta) = r_e^2 2\pi (kr_e)^{1/3} \frac{\beta}{\sin \theta} \frac{\text{Ai}^2 \left[\pm (\theta - \theta_r) (kr_e)^{2/3} / \left(\frac{1}{2} \frac{d^2\chi}{d\beta^2} \right)^{1/3} \right]}{\left| (1/2) (d^2\chi/d\beta^2) \right|^{2/3}} \quad (34c)$$

Glory

$$\chi + 2m\pi + \theta_g = 0 \quad (35a)$$

$$\sigma_g(\theta) = r_e^2 2\pi (kr_e) \beta^2 \frac{J_0^2(kr_e \beta \sin \theta)}{\left| \frac{d\chi}{d\beta} \right|} \quad (35b)$$

Rainbow-glory

$$\frac{d\chi}{d\beta} = 0 \quad (36a)$$

$$\chi + 2m\pi \pm \theta_r = 0 \quad (36b)$$

$$\sigma_r(\theta) = r_e^2 (2\pi)^2 (kr_e)^{4/3} \beta^2 \frac{\text{Ai}^2 \left[\pm (\theta_g - \theta_r) (kr_e)^{2/3} / \left(\frac{1}{2} \frac{d^2\chi}{d\beta^2} \right)^{1/3} \right]}{\left| (1/2) (d^2\chi/d\beta^2) \right|^{2/3}} J_0^2(kr_e \beta \sin \theta) \quad (36c)$$

where χ and its derivatives are evaluated at the particular value of β which satisfies the relations of part (a). It may be noted that the partial scattering amplitude given by equations (33) is the same as that obtained from a classical analysis of particle trajectories.

From the scattering amplitude (31), the small-angle cross section $\sigma_s(\theta)$ can be written in the form

$$\sigma_S(\theta) = \sigma_S(0) \left\{ \left| \sum_{n=0}^{n < \nu-2} A_n(\nu) \left[\frac{|D|}{E} (kr_e)^\nu \right]^{\frac{2n}{\nu-1}} \theta^{2n} \right|^2 + \left| \sum_{n=0}^{n < \frac{\nu-3}{2}} B_n(\nu) \left[\frac{|D|}{E} (kr_e)^\nu \right]^{\frac{2n}{\nu-1}} \theta^{2n} \right|^2 \right\} \quad (37)$$

where

$$\sigma_S(0) = r_e^2 \left| \frac{P(\nu)}{kr_e} \left[\frac{|D|}{E} (kr_e)^\nu \right]^{\frac{2}{\nu-1}} \right|^2$$

$$P(\nu) = \frac{\Gamma\left(-\frac{2}{\nu-1}\right)}{\nu-1} \left[\frac{\Gamma\left(\frac{1}{2}\right)\Gamma\left(\frac{\nu-1}{2}\right)}{2\Gamma\left(\frac{\nu}{2}\right)} \right]^{\frac{2}{\nu-1}}$$

$$A_n(\nu) = \frac{C_n(\nu)}{\sin\left(\frac{n+1}{\nu-1}\pi\right)}, \quad B_n(\nu) = \frac{C_n(\nu)}{\cos\left(\frac{n+1}{\nu-1}\pi\right)}$$

and

$$C_n(\nu) = \frac{\pi}{2} \left(\frac{-1}{4}\right)^n \left[\frac{\Gamma\left(\frac{1}{2}\right)\Gamma\left(\frac{\nu-1}{2}\right)}{2\Gamma\left(\frac{\nu}{2}\right)} \right]^{2n/(\nu-1)} \frac{1}{\Gamma\left(-\frac{2}{\nu-1}\right)\Gamma\left(2\frac{n+1}{\nu-1}+1\right)\left[\Gamma(n+1)\right]^2}$$

Potential Energy Function

In the foregoing discussion of scattering, $V(r)$ has been kept quite general except that it was required to fall off with an inverse power of r for large r . To tabulate cross section data that can be used to determine the scattering in known potentials, or to find an unknown potential by a comparison of measured cross section data with the tabulated, it may be convenient to use a parametrized analytic function for the potential. The potential function

$$V(r) = \epsilon \frac{12\alpha}{\alpha(3-\gamma) - 12} \left[\frac{e^{\alpha(1-r/r_e)}}{\alpha} - \frac{\gamma}{6} \left(\frac{r_e}{r}\right)^6 - \frac{(1-\gamma)}{4} \left(\frac{r_e}{r}\right)^4 \right] \quad (38)$$

where $0 \leq \gamma \leq 1$ and $\alpha > 12/(3 - \gamma)$, is used in the calculation of the cross section quantities here. It gives, qualitatively, the short-range repulsive force of the atom-atom potential energy ($\sim e^{-\alpha r}/r$ for r fairly small but still sufficiently large to be out of the range of nuclear forces) and explicitly gives the long-range attractive force of a charge-induced dipole interaction ($\sim 1/r^4$) when one of the pair of atoms is ionized, or an induced dipole-induced dipole ($\sim 1/r^6$) when both are neutral.⁸ The parameter r_e has been defined previously as the internuclear equilibrium separation distance, $\epsilon = -V(r_e)$ is the well depth, and α and γ are shape parameters which give the short and long-range behavior of the potential, respectively. The parameter α is a measure of the steepness of the repulsive force part of the potential curve, and γ specifies the relative importance of the charge-induced dipole term versus the charge-induced quadrupole and induced dipole-induced dipole term ($\gamma < 1$ for ion-neutral interaction and $\gamma = 1$ for neutral-neutral interaction). In addition to having the proper characteristic shape and long-range behavior, this potential function appears to be sufficiently flexible to fit reasonably well the potential curves near the equilibrium separation distance that are deduced from spectroscopic measurements on the molecule formed from the two interacting atoms. Its broader well provides a better fit than the Lennard-Jones type potentials used in previous scattering calculations.

Application of the Semiclassical Scattering Approximation

The semiclassical scattering in a realistic interatomic potential, such as the potential function (38), will be described briefly to indicate which partial scattering cross sections need to be contained in the sum (32b) at a given energy. First, however, the behavior of the scattering predicted by the phase shift (22) will be discussed, to assess the accuracy of a semiclassical cross section at lower energies for given scattering conditions.

At lower energies, the accuracy of the semiclassical approximation depends not only upon the validity of the criteria assumed for its derivation but also upon the importance of barrier penetration and resonance effects arising from the metastable bound state levels lying within the inner potential well and from virtual energy levels lying above the barrier maximum (e.g., see fig. 3; also see ref. 1 for discussion of scattering when virtual levels are present). When the energy is either far above the barrier maximum or below the well minimum, η_{JWKB} is a valid approximation to the phase shift; however, for energies in the barrier region, it may be highly inaccurate. For energies above the well minimum, but also far below the barrier maximum, the phase shift may be approximated by the resonance form

⁸The unrealistic nature of this potential for small r [$V(r) \xrightarrow{r \rightarrow 0} -\infty$] may be ignored, for E small compared to the potential at its maximum, since the potential energy for internuclear separation distances smaller than that given by the classical distance of closest approach does not influence the scattering in the semiclassical approximation. However, this limitation on the potential should, of course, be considered if the tabulated quantities are extrapolated to larger energies than those covered by the tables.

$$\eta \rightarrow \eta_{\text{JWKB}} + \tan^{-1} \left(\frac{\Gamma/2}{E_R - E} \right) \quad (39)$$

at energies near a resonance energy E_R which is equal to a metastable bound state energy level in the WKB approximation (see appendix B). If the l th phase shift has the form (39), the l th term in the summation for $f(\theta)$ on the right-hand side of equation (7) can be rewritten in the form

$$f_l(\theta) = f_l^{\text{sc}}(\theta) + f_l^{\text{RES}}(\theta) \quad (40a)$$

where

$$f_l^{\text{sc}}(\theta) = \frac{2l+1}{2ik} P_l(\cos \theta) (e^{i2\eta_{\text{JWKB}}} - 1) \quad (40b)$$

and

$$f_l^{\text{RES}}(\theta) = \frac{\Gamma/2}{\sqrt{(E - E_R)^2 + (\Gamma/2)^2}} \frac{2l+1}{k} P_l(\cos \theta) e^{i \left[2\eta_{\text{JWKB}} + \tan^{-1} \left(\frac{\Gamma/2}{E_R - E} \right) \right]} \quad (40c)$$

The sum of terms of the type $f_l^{\text{sc}}(\theta)$ can be evaluated in the manner described previously to obtain the semiclassical cross section. The resonance correction due to terms of the type $f_l^{\text{RES}}(\theta)$ is, in general, quite complicated. For large kr_e , the level width Γ is small (consider eq. (B54)), so that the resonance contributions are also small when averaged over a small range of E (ref. 23).

The phase shift for energies close to the barrier maximum has been examined in great detail in reference 24. For given scattering conditions, there is a range of energies near the barrier maximum for which the semiclassical approximation is not applicable. The phase shifts for the range of l corresponding to this range of energies must be calculated either exactly or approximately through equation (22) or (B42), and their contribution to the scattering cross section can then be calculated according to equations (7) and (8).

A criterion for the energy to be far above or well below the barrier is that the absolute value of ϵ_m (B44), the reduced value of the difference between E and the barrier maximum, be large compared to unity. The impact parameters near b_0 , the value of b for which E is equal to the barrier maximum, are related to ϵ_m approximately by

$$\frac{b_0 - b}{b_0} = \frac{\epsilon_m}{kr_e} \left[\frac{\sqrt{\frac{1}{2E} \frac{\partial^2 V_e}{\partial x^2}}}{\frac{\beta^2}{x^2}} \right]_{\substack{\beta = \beta_0 = b_0/r_e \\ x = x_0 = r_m/r_e}} \quad (41)$$

where $x = r/r_e$ is the reduced internuclear separation distance and r_m is the position of the barrier maximum. When kr_e is large, one observes from relation (41) that a very small range of impact parameters corresponds to the range of energies near the barrier maximum where the semiclassical approximation breaks down; therefore, the semiclassical approximation with resonance effects included should be adequate when kr_e is large.

The remaining discussion will be devoted to a description of the application of the low-resolution semiclassical scattering. The nature of the scattering depends largely upon whether E is greater or less than the triple-point energy E_t , which in reference 3 is defined to be equal to the value of $V_e(b,r)$ when b and r take the values that satisfy

$$\frac{\partial}{\partial r} V_e(b,r) = \frac{\partial^2}{\partial r^2} V_e(b,r) = 0 \quad (42)$$

(see fig. 2).

Representative curves of χ are shown as a function of β in figure 4; χ is greater than or less than zero when $\beta < \beta_g$ or $\beta > \beta_g$, respectively. For $E < E_t$, χ becomes infinite at the orbiting impact parameter b_0 ; classically, this corresponds to endless spiraling toward a limiting orbit about the center of force. For $E > E_t$, χ is finite for all values of b and at the particular value b_r it has a minimum, indicating that rainbow scattering can occur.

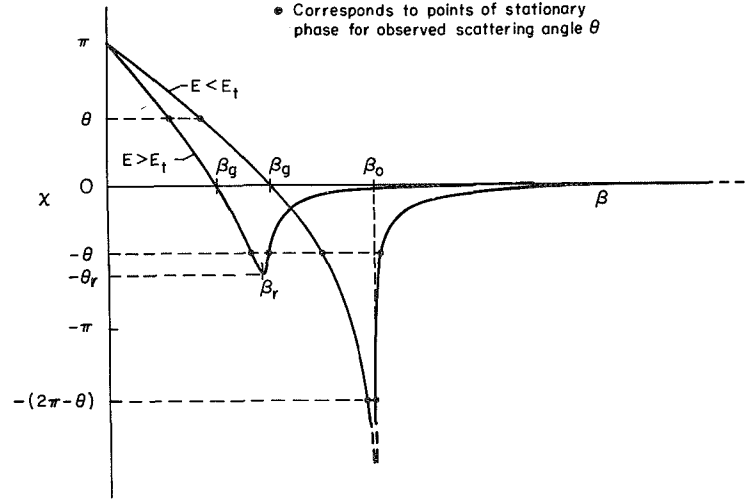


Figure 4.- Representative curves of the classical deflection angle for the potential function (38).

When $E < E_t$, the scattering contribution from negative χ consists of a sum of partial cross sections of the classical type (33), or the glory type (35) if θ is near π from the points of stationary phase, $\chi = -\theta, -(2\pi - \theta), -(2\pi + \theta)$, etc. (see fig. 4)⁹. One can estimate the value of the partial cross sections for small values of $|\beta - \beta_0|$ from the asymptotic form of χ (ref. 3)

⁹This corresponds to the "thick" barrier approximation discussed by Ford and Wheeler (ref. 3).

$$\left. \begin{array}{l} \chi \rightarrow \\ \beta \rightarrow \beta_0 \end{array} \right\} \begin{array}{l} 2\phi \ln \left| \frac{\beta - \beta_0}{\beta_0} \right| + \dots \quad \beta < \beta_0 \\ \phi \ln \left| \frac{\beta - \beta_0}{\beta_0} \right| + \dots \quad \beta > \beta_0 \end{array} \quad (43a)$$

where

$$\left. \begin{array}{l} \phi^2 \rightarrow \\ \beta \rightarrow \beta_0 \end{array} \right\} \frac{\frac{\beta^2}{x^2} E}{\frac{x^2}{2} \left| \frac{\partial^2 V_e}{\partial x^2} \right|} \bigg|_{\substack{\beta=\beta_0 \\ x=x_0}} \quad (43b)$$

and find that the partial cross sections become small when β is close to β_0 .

For $E > E_t$, the partial scattering cross sections from the points of stationary phase with negative χ are added together in the same way as described above for $E < E_t$ unless θ is near θ_r . The partial scattering cross sections from points of stationary phase with b near b_r can be calculated from the parabolic approximation

$$\chi = \chi_r + \frac{1}{2} \frac{d^2 \chi}{d\beta^2} \bigg|_{\beta=\beta_r} (\beta - \beta_r)^2 \quad (44)$$

where χ_r is the minimum value of χ and $\beta_r = b_r/r_e$. When θ is near θ_r , the contribution from the points of stationary phase near χ_r is contained in the rainbow partial scattering cross section (34) or, if θ is also near π , by that of (36). The rainbow cross section is added to the cross sections from the remaining points of stationary phase to give the total scattering contribution from negative χ .

For any value of E , there is only one point of stationary phase for $\chi > 0$ ($\beta < \beta_g$); its contribution is added to those described above for $\chi < 0$ to obtain the cross section for the given θ .

NUMERICAL RESULTS

The quantities needed to determine the cross section for elastic scattering in the potential (38) have been calculated numerically and are presented in tables. The values of the coefficients $P(v)$, $A_n(v)$, and $B_n(v)$, which

appear in the small-angle expansion of the cross section (37), are contained in table II for $\nu = 4$ ($\gamma < 1$) and $\nu = 6$ ($\gamma = 1$). Values of the reduced triple point energy ($K_t = E_t/\epsilon$) are listed in table III (see eq. (42)). Table IV contains the quantities for determining the large-angle, low-resolution cross section (32b) for scattering in the potential (38) from the partial cross sections (33) through (36) for values of the potential parameters in the ranges $8 \leq \alpha \leq 16$ and $0 \leq \gamma \leq 1$ and the reduced collision energy $K = E/\epsilon$ in the range $0.2 \leq K \leq 20$.

In the large-angle scattering tables, the values of the reduced impact parameter β , reduced classical turning point ($x_c = r_c/r_e$), and the quantity

$$S_n(\theta) = \sum_i \beta_i \left| \frac{d\chi}{d\beta} \right|_i^{-1} \quad (45a)$$

where $|\chi_i| = \theta, 2\pi - \theta, 2\pi + \theta$, etc., are listed separately for each of the three regions of β (which also correspond to the three branches of χ when $|\chi_r| \leq \pi$), $0 < \beta < \beta_g$ ($n = 1$), $\beta_g < \beta < \beta_0$ or β_r ($n = 2$), and β_0 or $\beta_r < \beta < \infty$ ($n = 3$), along with the reduced sum

$$S_T(\theta) = [S_1(\theta) + S_2(\theta) + S_3(\theta)]/S_B(\theta) \quad (45b)$$

for θ the range $0 \leq \theta \leq 180^\circ$ at 5° intervals for the specified values of α , γ , and K . The quantity $S_B(\theta)$ is an approximation to the contribution to $S_3(\theta)$ from large β ; it can be calculated from the Born approximation to the phase shift (i.e., lowest order term of relation (19)) and has the form

$$S_B(\theta) = \begin{cases} \frac{1}{12} \left(\frac{15\pi}{2} \frac{\alpha}{\alpha - 6} \frac{1}{K} \right)^{1/3} \theta^{-4/3} & \gamma = 1 \end{cases} \quad (46a)$$

$$S_B(\theta) = \begin{cases} \frac{3}{8} \left[\pi \frac{3\alpha}{(3 - \gamma)\alpha - 12} \frac{1 - \gamma}{K} \right]^{1/2} \theta^{-3/2} & \gamma < 1 \end{cases} \quad (46b)$$

The tabulated values of β and x_c belong to the point of stationary phase for which $\theta = |\chi| \leq \pi$. At larger values of K , for which rainbow scattering occurs, only the contributions from negative χ for which $|\chi| \leq |\chi_r| - 5^\circ$ when $|\chi_r| \geq \pi$, or $|\chi| \leq |\chi_r| - 1^\circ$ when $|\chi_r| < \pi$ are included in the tabulated values of the sum (45). It will be noted that the contributions from the two branches of χ with $\chi < 0$ have not been listed in the tables at large values of K in order to reduce the size of the tables; however, these contributions are included in the reduced sum provided $\theta \leq |\chi_r| - 1^\circ$.

In addition, each large-angle scattering table also contains the following information. The value of $|d\chi/d\beta|_{\beta=0}$ is listed separately, since the corresponding entry (45a) is zero in the table. For $K < K_t$, the values of

β_0 , x_0 , and $\frac{1}{E} \frac{\partial^2 V_e}{\partial x^2} \bigg|_{\substack{\beta=\beta_0 \\ x=x_0}}$ are included; these may be useful for estimating the

"thickness" of the potential barrier, the range of impact parameters near β_0 for which the semiclassical approximation is not valid (see eq. (41)), or the partial cross sections from χ according to the relation (43). For $K > K_t$, the values of β_r , x_r (value of x_c when $\beta = \beta_r$), θ_r , $|\chi_r|$, and $\frac{1}{2} \frac{d^2 \chi}{d\beta^2} \bigg|_{\beta=\beta_r}$ are included; these quantities are needed for the rainbow partial cross section (34) or (36) or for the calculation of cross sections from the parabolic approximation (44).

At smaller values of K where there are many contributions to backward scattering from impact parameters near β_0 ($E < E_t$) or β_r ($E > E_t$), the tabulated quantities are not directly applicable to a sum of glory partial scattering cross sections of the form (35), but they may be used to give the sum approximately by (see appendix C)

$$\sum_g \sigma_g(\theta) = \pi r_e^2 (kr_e)_{\beta_\pi} J_0^2(kr_e \beta_\pi \sin \theta) S_n(\pi) \quad (47)$$

where β_π takes the value given in the tables at $\theta = \pi$.

The computer symbols in the large-angle scattering tables are defined in appendix D. A flow chart which may be used as a guide for calculating cross sections from the tabulated quantities is described and shown in appendix E.

DISCUSSION

The values of χ and its derivatives with respect to β were computed by numerical integration, except that at the lower energies, the large contribution from the region of the barrier maximum was calculated more rapidly from analytical formulas obtained from a parabolic approximation to the barrier. All tabulated quantities should be accurate to four or more significant figures. Classical cross sections, which may be computed from the tables given by Mason (ref. 7) for scattering in a potential (38) with $\gamma = 1$, agree with those which are computed from the large-angle scattering tables to 10 percent or better.

The scattering contribution and the value of the reduced closest distance of approach are listed in the large-angle scattering tables for each region (or branch for large K) of χ , to facilitate the determination of an unknown potential from measured cross sections. Since the nature of the potential for r less than r_c does not influence the scattering in the semiclassical approximation (excludes barrier penetration and resonance effects for $E < E_t$), and since a relatively large contribution to χ comes from the region near r_c , a knowledge of r_c and the scattering contributions from each branch is

useful for estimating the relative importance of the contribution from a given region of the potential to the scattering cross section.

Although the tables were designed for determining the low-resolution cross section, one can also calculate the angular widths of the interference structure or the values of the interference terms in the semiclassical cross section in the form (32) from the information contained in the tables. From the relation (32) and expressions (27) through (30) for the partial scattering amplitudes, one sees that in order to compute the interference between two partial scattering amplitudes f_n and f_m the difference in the phase shift, which in the JWKB approximation can be written

$$\eta_n - \eta_m = \frac{kr_e}{2} \int_{\beta_m}^{\beta_n} \chi \, d\beta \quad (48)$$

is needed in addition to quantities which either are given or are obtained directly from the tables. The value of the difference (48) can be computed by numerical integration from the values of χ which are tabulated ($|\chi| = \theta$ is given as a function of β in the large-angle scattering tables) or are calculated from a parabolic approximation (44) when β is near β_r . Similarly, one can also use the tables to determine the rainbow cross section in the uniform approximation of Berry (see ref. 25; the actual points of stationary phase are mapped onto the points of stationary phase of the integrand of the Airy integral to obtain a more accurate cross section than that provided by the parabolic approximation to χ), if the difference in the phase shift between the two points of stationary phase with β near β_r is calculated in this way.

Differential cross sections for the elastic scattering of N^+ by N , when both atoms are in their ground states, have been calculated in the laboratory system to illustrate the low-resolution semiclassical approximation. The cross sections for the potentials corresponding to bound states of N_2^+ were calculated from the potential function (38), fitted to the potential curves obtained from spectroscopic data (the curves for the $2\Sigma_g^+$, $2\Sigma_u^+$, and $2\pi_u$ states were taken from ref. 26 and the $2\pi_g$ curve was taken from ref. 27). The potentials (dashed lines), along with the curves (solid lines) to which they were fitted, are shown in figure 5; the cross sections for each state are shown in figure 6.¹⁰ The observed cross section would consist of the statistically averaged sum of the cross sections from these four bound states and those from the eight other states for which the molecule dissociates into ground state atoms.

¹⁰ It should be noted that in the low-resolution approximation here, the interference between the scattering amplitudes for each molecular state is also neglected. Furthermore, if the nuclei of the colliding atoms are identical, there may be additional effects that have not been taken into consideration here (see footnote 3 and ref. 28).

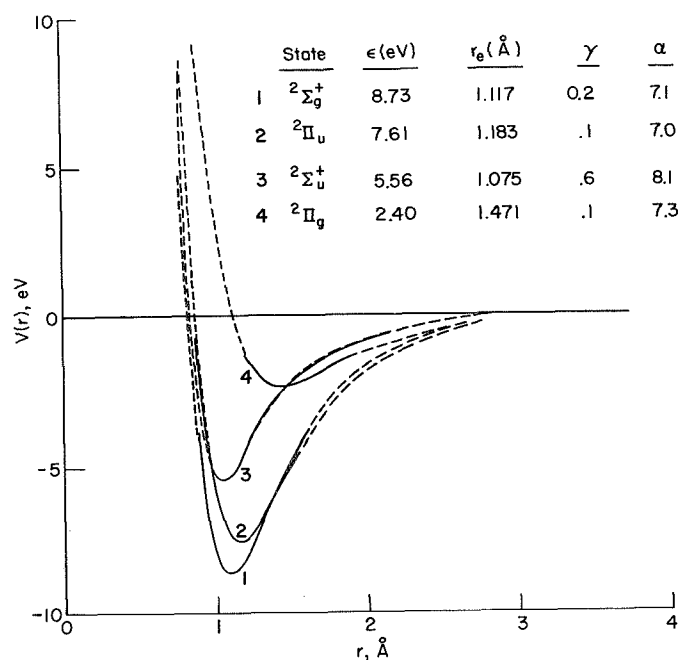


Figure 5.- Potential energy curves for N_2^+ .

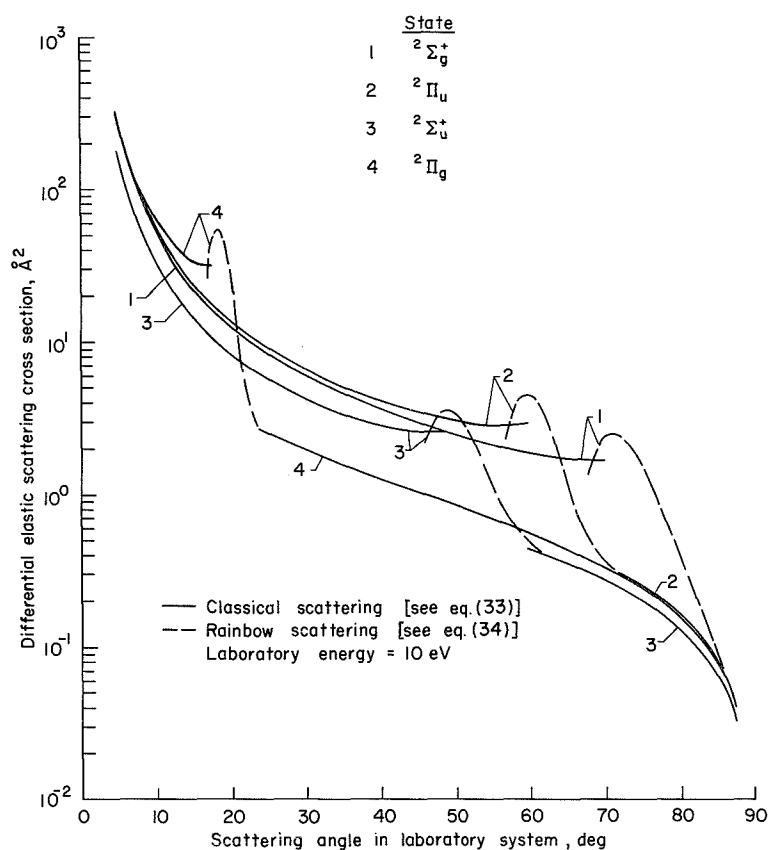


Figure 6.- Differential cross section for the elastic scattering of N^+ by N in the laboratory system.

These cross sections must be regarded as somewhat qualitative, because the potentials from which they were calculated were derived from a knowledge of the bound state potentials for only a limited range of r about the equilibrium separation distance. Also for this reason, the cross sections for the very small and very large scattering angles are not given since they would not be reliable.

CONCLUDING REMARKS

A tabulation of the semiclassical cross sections for a variation of all the parameters of the potential function (38) would be quite voluminous and thus not practical; therefore, only the quantities which are used to determine the cross section are presented. The quantities $(\beta, x_c, \text{ and } S)$ as a function of θ , the orbiting quantities $\left(\beta_0, x_0, \text{ and } \frac{1}{E} \frac{\partial^2 V_e}{\partial x^2} \Big|_{\beta_0, x_0}\right)$, the rainbow quantities $\left(\beta_r, x_r, \theta_r, |\chi_r|, \text{ and } \frac{1}{2} \frac{d^2 \chi}{d\beta^2} \Big|_{\beta_r}\right)$, and $\frac{dx}{d\beta} \Big|_{\beta=0}$ are tabulated for various values of α, γ , and K . These quantities can be used to calculate the low-resolution semiclassical cross section according to equations (33) through (36). In addition, $P(\nu)$, $A_n(\nu)$, and $B_n(\nu)$ are tabulated for the small-angle cross section (37) for $\nu = 4$ and 6 .

The N^+-N scattering examples displayed in figure 6 illustrate several features of rainbow scattering in atomic collisions. For instance, from a comparison of the cross section and the value of ϵ for each molecular bound state, one can deduce that: (1) the value of θ_r decreases and (2) that the rainbow peak becomes higher and more narrow as the collision energy increases. If the laboratory apparatus is assumed to contain no bias for any orbital or spin angular momentum state, the observed cross section would consist of a weighted sum (averaged according to the symmetry of each state) of the cross sections for each molecular state that is formed from the colliding atoms. Consequently, the rainbow peaks for states with large statistical weighting factors as well as large rainbow cross sections will not be swamped by scattering from other states and therefore are most likely to be observed experimentally.

A uniform approximation to the phase shifts is developed in appendix B for energies in the region where the effective potential has a barrier. It agrees with other approximations appearing in the literature at the energies for which they are valid. It can be used to estimate the resonance contribution from energy levels arising from the inner potential well.

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APPENDIX A

SYMBOLS

$Ai(x)$	Airy function
$A_n(s)$	coefficient for small-angle expansion of cross section
b	impact parameter (see fig. 1)
$B_n(s)$	coefficient for small-angle expansion of cross section
C_s	coefficient for phase shift
D	potential parameter, coefficient of large r form (eq. (18))
$D_n(x)$	parabolic cylinder function
E	relative collision energy; parameter for comparison function
E_R	resonance energy
$f(\theta)$	scattering amplitude
$f_n(\theta)$	partial scattering amplitude
g_n	arbitrary phase of wave function
$G_l(r)$	solution to radial wave equation
I	phase integral for resonance phase shift
$I_n(x)$	modified Bessel function of the first kind, of order n
$j_l(kr)$	spherical Bessel function
$J_n(x)$	Bessel function of the first kind, of order n
k	$\left(\frac{2\mu E}{\hbar^2}\right)^{1/2}$, wave number
$k(r)$	local wave number
K	$\frac{E}{\varepsilon}$, reduced relative collision energy
$K(x)$	comparison function (eq. (B3))
$K_n(x)$	modified Bessel function of the third kind, of order n
l	angular momentum quantum number

$n_l(kr)$	spherical Neumann function
$P(s)$	coefficient for small-angle expansion of cross section
$P_l(\cos \theta)$	Legendre polynomial
r	internuclear separation distance
r_e	internuclear equilibrium separation distance
r_m	value of r for which $V_e(b,r)$ has a maximum value
S	independent variable for comparison equation (B3)
$S_n(\theta)$	cross-section quantity (eq. (45a))
$V(r)$	central field potential energy
$V_e(b,r)$	effective potential energy
x	$\frac{r}{r_e}$, reduced internuclear separation distance
x_m	$\frac{r_m}{r_e}$, reduced value of r_m
α	potential parameter, short-range repulsion (eq. (38))
α_m	harmonic oscillator quantity (eq. (B46))
β	$\frac{b}{r_e}$, reduced impact parameter
γ	potential parameter, long-range attraction (eq. (38))
Γ	level width
$\Gamma(x)$	gamma function
δ	phase for barrier approximation (eq. (B13))
$\delta(x)$	Dirac delta function
ϵ	potential parameter, well depth (eq. (38))
ϵ_m	reduced collision energy relative to barrier maximum
η	phase shift
θ	observed scattering angle
μ	reduced mass

v	potential parameter, large r form (eq. (18))
ξ	dimensionless variable (eq. (B8))
ρ	phase for resonance phase shift
$\sigma(\theta)$	differential elastic scattering cross section
$\sigma_n(\theta)$	partial differential elastic scattering cross section
τ	phase for resonance phase shift
$v(\xi)$	reduced effective potential energy relative to barrier maximum
φ	phase integral for resonance phase shift
ϕ	quantity for asymptotic form of χ for b near b_0 (relation (43))
Φ	solution to comparison equation (B3))
χ	classical angle of deflection
Ψ	wave function
ω_n	phase of partial scattering amplitude

Subscripts

c	classical
g	glory
o	orbiting
r	rainbow
s	small scattering angle
t	triple point

APPENDIX B

THE RESONANCE PHASE SHIFT APPROXIMATIONS

The purpose of this appendix is to develop formula (22), an approximation to the phase shift that can be used uniformly for energies in the barrier region when the effective potential has a characteristic form such as that shown in figure 3. For this purpose, approximate solutions to the radial wave equation for different regions of r are joined together smoothly to obtain the phase shift at energies near the barrier maximum and near the barrier minimum. It will be found that these phase shifts are represented to a fairly good approximation by the single analytical form (22).

As in the JWKB approximation to the phase shift, the Langer modification, which consists of the replacement of $l(l+1)$ by $[l + (1/2)]^2$ in the radial wave equation (refs. 13, 14, and ch. 11 of ref. 15) will be made here. This means that the radial wave function $G(r)$ satisfies the equation

$$\left[\frac{d^2}{dr^2} + k^2(r) \right] G(r) = 0 \quad (\text{B1a})$$

where

$$k^2(r) = k^2 \left[1 - \frac{V(r)}{E} - \left(\frac{l + \frac{1}{2}}{kr} \right)^2 \right] \quad (\text{B1b})$$

As is well known, $G(r)$ can be constructed from the usual WKB solutions

$$G(r) \rightarrow \frac{e^{\pm i \int^r k(r') dr'}}{k(r)^{1/2}} \quad (\text{B2})$$

for values of r which are not close to a turning point, that is, a zero of $k^2(r)$. For values of r in the turning point region, $G(r)$ is mapped onto the solution $\Phi(S)$ of a comparison equation

$$\left[\frac{d^2}{dS^2} + K^2(S) \right] \Phi(S) = 0 \quad (\text{B3})$$

the comparison function $K^2(S)$ is qualitatively similar to $k^2(r)$ so that equation (B3) closely resembles equation (B1) (see refs. 29-32). The approximate wave functions are

$$G(r) \approx \left(\frac{dS}{dr} \right)^{-1/2} \Phi(S) \quad (\text{B4})$$

when S is related to r through

$$\int_{S_0}^S K(\sigma) d\sigma = \int_{r_0}^r k(r') dr' \quad (B5)$$

they are accurate when the value of their product with the Schwartzian derivative

$$\omega(r) = \left(\frac{dS}{dr}\right)^{1/2} \frac{d^2}{dr^2} \left(\frac{dS}{dr}\right)^{-1/2} \quad (B6)$$

is small. When r is real the approximate wave functions are chosen to be real (outside of a complex multiplicative constant which will be omitted here since it does not enter into the phase shift analysis) and are made continuous across a turning point r_0 by the condition

$$S(r_0) = S_0 \quad (B7)$$

where S_0 is a zero of $K^2(S)$.

When $K^2(S)$ is set equal to 1, the approximate wave functions become the WKB solutions (B2). The choice $K^2(S) = S$ can be used to construct Langer's approximation for values of r near a linear turning point; that is, the wave function can be written

$$G(r) \approx \begin{cases} \left[\frac{2\xi}{\pi r |k(r)|} \right]^{1/2} \left[\pi \sin(g_a) I_{1/3}(\xi) + \cos\left(\frac{\pi}{3} - g_a\right) K_{1/3}(\xi) \right], & r \leq r_0 \\ \left[\frac{2\pi\xi}{3k(r)} \right]^{1/2} \left[\cos\left(\frac{\pi}{3} + g_a\right) J_{1/3}(\xi) + \cos\left(\frac{\pi}{3} - g_a\right) J_{-1/3}(\xi) \right], & r \geq r_0 \end{cases} \quad (B8a)$$

where

$$\xi = \begin{cases} \int_r^{r_0} |k(r')| dr' & r \leq r_0 \\ \int_{r_0}^r k(r') dr' & r \geq r_0 \end{cases} \quad (B8b)$$

$I_{1/3}(\xi)$, $K_{1/3}(\xi)$, and $J_{\pm 1/3}(\xi)$ are Bessel functions, and g_a is an arbitrary constant that determines a particular solution for r in the region of the linear turning point r_0 . If the Bessel functions are replaced by their asymptotic forms (ref. 17, pp. 199-203):

$$I_{1/3}(\xi) \xrightarrow{\xi \rightarrow \infty} \frac{1}{\sqrt{2\pi\xi}} e^{\xi} \quad (B9a)$$

$$K_{1/3}(\xi) \xrightarrow{\xi \rightarrow \infty} \sqrt{\pi/2\xi} e^{-\xi} \quad (B9b)$$

$$J_{\pm 1/3}(\xi) \xrightarrow{\xi \rightarrow \infty} \sqrt{2/\pi\xi} \cos\left(\xi \mp \frac{\pi}{6} - \frac{\pi}{4}\right) \quad (B9c)$$

for real ξ , the wave function (B8) yields Langer's connection formula

$$\frac{1}{|k(r)|^{1/2}} \left[\sin(g_a) e^{\int_r^{r_0} |k(r')| dr'} + \frac{1}{2} \cos(g_a) e^{-\int_r^{r_0} |k(r')| dr'} \right] \xrightarrow[r > r_0]{r < r_0} G(r) \rightarrow \frac{1}{k(r)^{1/2}} \sin \left[\int_{r_0}^r k(r') dr' + \frac{\pi}{4} + g_a \right] \quad (B10)$$

which relates the asymptotic form of the wave function on the left-hand side of r_0 to that on the right-hand side. This formula (B10) will be used later when the solutions to the wave equation in each region of r are joined together to find the phase shift.

When two turning points are close together, an approximation to $G(r)$ in the region containing both turning points can be obtained by the method of Miller and Good (ref. 30), in which

$$K^2(S) = E \pm S^2 \quad (B11)$$

where E is an adjustable parameter. The comparison function with the upper (lower) sign represents a parabolic barrier (well). Miller and Good have calculated the energy eigenvalues and eigenfunctions for a potential well and the transmission coefficient for penetration through a potential barrier with their method. They show that the values of their approximate results compare favorably with those of the exact quantities for an Eckart potential function (ref. 33).

The turning points r_2 and r_3 are close together when the energy is near the barrier maximum (e.g., see fig. 3). Guided by the analysis of Ford, Hill, Wakano, and Wheeler (ref. 24) for a parabolic barrier and the treatment of Miller and Good (ref. 30) for the barrier penetration problem, one can construct a suitable approximation to $G(r)$ in the region of r about r_2 and r_3 . Since $K^2(S)$ takes the form (B11) with the upper sign, the general solution to the comparison equation can be written as a linear combination of an even function

$$E(S) = [D_\nu(-z) + D_\nu(z)] e^{i\{(\pi/8) - (1/2) \arg \Gamma[(1/2) + (iE/2)] - (\delta/2)\}} \quad (B12a)$$

and an odd function

$$O(S) = [D_\nu(-z) - D_\nu(z)] e^{i\{(\pi/8) - (1/2) \arg \Gamma[(1/2) + (iE/2)] + (\delta/2)\}} \quad (B12b)$$

in the form¹

¹The connection between the wave function on the left- and right-hand sides of a parabolic barrier of Ford, Hill, Wakano, and Wheeler (eqs. 55 and 56 of ref. 24) can be obtained from the asymptotic forms of the solutions (B12) for large $|S|$ when the parabolic cylinder functions are replaced by their asymptotic forms.

$$\Phi(S) = \sin\left(g_b + \frac{\delta}{2}\right)E(S) + \sin\left(g_b - \frac{\delta}{2}\right)0(S) \quad (B12c)$$

where

$$v = -\frac{1}{2} + \frac{iE}{2} \quad (B12d)$$

and

$$z = \sqrt{2S}e^{-i\pi/4} \quad (B12e)$$

The phase δ is defined by

$$\delta = \tan^{-1}\left(e^{\pi E/2}\right) \quad (B13)$$

g_b is a constant, and $D_v(z)$ is a parabolic cylinder function. Since $E(S)$ and $0(S)$ are real when S is real, $\Phi(S)$ will also be real when S is real.

According to the method of Miller and Good, one imposes the following conditions on the relation between S and r . When the energy is less than or equal to the barrier maximum, the zeros of $K^2(S)$ satisfy $S(r_2) = -\sqrt{|E|}$ and $S(r_3) = +\sqrt{|E|}$ where r_2 and r_3 are real and are also classical turning points of the motion. The argument of both $K(S)$ and $k(r)$ for real r is $\pi/2$ when $r_2 < r < r_3$ and 0 when $r_1 \leq r \leq r_2$ and $r \geq r_3$. When the energy is greater than the barrier maximum, the zeros of $k^2(r)$ are complex conjugates; the one with the positive imaginary part is defined to be r_2 and the other to be r_3 . The zeros of $K^2(S)$ are then $S(r_2) = +i\sqrt{E}$ and $S(r_3) = -i\sqrt{E}$, and the argument of $k(r)$ and $K(S)$ is 0 when r is real. On account of these conditions and the relation (B5), S is real when r is real and the parameter E is determined from

$$E = i \frac{2}{\pi} \int_{r_2}^{r_3} k(r') dr' \quad (B14)$$

Equations (B4), (B5), (B11), (B12), (B13), and (B14), along with the above conditions, give $G(r)$ in the region of the barrier. It can be observed that $G(r)$ is real when r is real. The integration on the left-hand side of (B5) can be carried out analytically; for large $|S|$, this yields

$$\frac{S^2}{2} + \frac{E}{4} \ln(2S^2) - \frac{E}{4} \ln\left(\frac{|E|}{2e}\right) \approx \begin{cases} \operatorname{Re} \int_r^{r_2} k(r') dr' & S < 0 \\ \operatorname{Re} \int_{r_3}^r k(r') dr' & S > 0 \end{cases} \quad (B15)$$

where e is the base of Naperian logarithms. From the relation (B15) and the asymptotic forms of the parabolic cylinder functions (ref. 34, pp. 347-348),

$$D_\nu(Z) \xrightarrow{Z \rightarrow \infty} \begin{cases} e^{-Z^2/4} Z^\nu & |\arg Z| < \frac{3}{4} \pi \\ e^{-Z^2/4} Z^\nu - \frac{\sqrt{2\pi}}{\Gamma(-\nu)} e^{\nu\pi i} e^{Z^2/4} Z^{-\nu-1}, & \frac{\pi}{4} < \arg Z < \frac{5}{4} \pi \\ e^{-Z^2/4} Z^\nu - \frac{\sqrt{2\pi}}{\Gamma(-\nu)} e^{-\nu\pi i} e^{Z^2/4} Z^{-\nu-1}, & -\frac{5}{4} \pi < \arg Z < -\frac{\pi}{4} \end{cases} \quad (B16)$$

one can find the asymptotic forms of the wave function for large $|S|$ on the left- and right-hand sides of the barrier, respectively, to be

$$\begin{aligned} & \frac{1}{k(r)^{1/2}} \sin \left[\operatorname{Re} \int_r^{r_2} k(r') dr' + \frac{\pi}{4} + \rho + g_b \right] \left(8 \tan \delta \right)^{-1/4} G(r) \rightarrow \\ & \frac{\left[(1 + \cos \delta)^2 - 4 \cos \delta \sin^2 \left(\frac{\pi}{2} - g_b \right) \right]^{1/2}}{\sin \delta} \frac{1}{k(r)^{1/2}} \sin \left\{ \operatorname{Re} \int_{r_3}^r k(r') dr' \right. \\ & \left. + \frac{\pi}{4} + \rho + \tan^{-1} \left[\frac{1 - \cos \delta}{1 + \cos \delta} \tan \left(\frac{\pi}{2} - g_b \right) \right] \right\} \end{aligned} \quad (B17)$$

where the phase ρ is defined by

$$\rho = -\frac{1}{2} \arg \Gamma \left(\frac{1}{2} + \frac{iE}{2} \right) + \frac{E}{4} \ln \left(\frac{|E|}{2e} \right) \quad (B18)$$

This connection formula will be needed later to determine the phase shift for energies near the barrier maximum.

When the energy is near the well minimum, the two innermost turning points r_1 and r_2 are close together. As in Miller and Good's treatment of the potential well problem, $K^2(S)$ has the form (B11) with the lower sign, the zeros of $K^2(S)$ satisfy $S(r_1) = -\sqrt{E}$ and $S(r_2) = +\sqrt{E}$, and E is determined from

$$E = \frac{2}{\pi} \int_{r_1}^{r_2} k(r') dr' \quad (B19)$$

If r is real, S is real and is related approximately to r through

$$\frac{S^2}{2} - \frac{E}{4} \ln(2S^2) + \frac{E}{4} \ln\left(\frac{|E|}{2e}\right) \approx \begin{cases} \int_r^{r_1} |k(r')| dr' & r < r_1 \\ \int_{r_2}^r |k(r')| dr' & r > r_2 \end{cases} \quad (B20)$$

when $|S|$ is large. Provided $\mu = -(1/2) + (E/2)$ is not an integer, the parabolic cylinder functions $D_\mu(\sqrt{2}S)$ and $D_\mu(-\sqrt{2}S)$, which are real when S is real, are two linearly independent solutions of the comparison equation (B3). The relations (B4), (B5), (B11), and (B19) with $\Phi(S)$ equal to a linear combination of these parabolic cylinder functions give $G(r)$ in the well region. Using the asymptotic forms of the parabolic cylinder functions (B16) and the relation (B20), one can see that the wave function must have the form

$$G(r) = \left(\frac{dS}{dr}\right)^{-1/2} D_\mu(-\sqrt{2}S) \quad (B21)$$

in order to satisfy the boundary condition at the origin (5), and hence that its asymptotic forms for large $|S|$ on the left- and right-hand sides of the well are

$$\frac{1}{2|k(r)|^{1/2}} e^{-\left[\int_r^{r_1} |k(r')| dr' + \tau\right]} \leftarrow \left[\frac{2}{\sqrt{\pi}} \Gamma\left(\frac{1}{2} + \frac{E}{2}\right)\right]^{-1/2} G(r) \rightarrow \frac{1}{|k(r)|^{1/2}} \left\{ \frac{1}{2} \sin\left(\frac{\pi E}{2}\right) e^{-\left[\int_{r_2}^r |k(r')| dr' + \tau\right]} + \cos\left(\frac{\pi E}{2}\right) e^{+\left[\int_{r_2}^r |k(r')| dr' + \tau\right]} \right\} \quad (B22)$$

where the phase τ is defined by

$$\tau = \frac{1}{2} \ln\left[\frac{\Gamma(1/2 + E/2)}{\sqrt{2\pi}}\right] - \frac{E}{4} \ln\left(\frac{|E|}{2e}\right) \quad (B23)$$

The results (B10), (B17), and (B22) will be used next to determine the connection between the wave function in the well region and that outside the barrier.

When the energy is near the maximum the innermost turning point r_1 is well separated from the outer two. The wave function inside the well can be obtained from the right-hand side of the relation (B10) with $r_0 = r_1$ and g_a set equal to 0 in order to satisfy the boundary condition at the origin (5). If this result is joined smoothly to that on the left-hand side of relation (B17) and the phase φ is defined by

$$\varphi = \text{Re} \int_{r_1}^{r_2} k(r') dr' \quad (\text{B24})$$

one obtains the connection formula

$$\begin{aligned} & \frac{1}{k(r)^{1/2}} \sin \left[\text{Re} \int_{r_1}^r k(r') dr' + \frac{\pi}{4} \right] \leftarrow G(r) \rightarrow \\ & \left[\frac{1 + \cos \delta}{1 - \cos \delta} \cos^2(\varphi + \rho) + \frac{1 - \cos \delta}{1 + \cos \delta} \sin^2(\varphi + \rho) \right]^{1/2} \frac{1}{k(r)^{1/2}} \sin \left\{ \text{Re} \int_{r_3}^r k(r') dr' \right. \\ & \left. + \frac{\pi}{4} + \rho + \tan^{-1} \left[\frac{1 - \cos \delta}{1 + \cos \delta} \tan(\varphi + \rho) \right] \right\} \end{aligned} \quad (\text{B25a})$$

The right-hand side of (B25a) will be compared with the wave function for a free particle to yield the phase shift; it can be written

$$\begin{aligned} G(r) \rightarrow & \left[\frac{\sqrt{1 + e^{-2I}} + 1}{\sqrt{1 + e^{-2I}} - 1} \cos^2(\varphi + \rho) \right. \\ & \left. + \frac{\sqrt{1 + e^{-2I}} - 1}{\sqrt{1 + e^{-2I}} + 1} \sin^2(\varphi + \rho) \right]^{1/2} \frac{1}{k(r)^{1/2}} \sin \left\{ \text{Re} \int_{r_3}^r k(r') dr' \right. \\ & \left. + \frac{\pi}{4} + \rho + \tan^{-1} \left[\frac{\sqrt{1 + e^{-2I}} - 1}{\sqrt{1 + e^{-2I}} + 1} \tan(\varphi + \rho) \right] \right\} \end{aligned} \quad (\text{B25b})$$

where the phase integral I is defined by

$$I = -\frac{\pi}{2} E = -i \int_{r_2}^{r_3} k(r') dr' \quad (\text{B26a})$$

From the relations (B13), (B18), and (B26a), δ and ρ can be written

$$\delta = \tan^{-1}(e^{-I}) \quad (\text{B26b})$$

and

$$\rho = \frac{1}{2} \arg \Gamma\left(\frac{1}{2} + \frac{iI}{\pi}\right) - \frac{I}{2\pi} \ln \left| \frac{I}{\pi e} \right| \quad (\text{B26c})$$

It is interesting to note that the connection formula (B25) can also be established from the asymptotic forms of the parabolic cylinder functions by the "iteration" procedure of Livingston (ref. 35). When S is related to r in the way described above for energies near the barrier maximum, the asymptotic forms of $(dS/dr)^{-1/2} D_v(z)$ and $(dS/dr)^{-1/2} D_v(-z)$ yield the connection formulas,

$$\frac{e^{i \operatorname{Re} \int_{r_2}^r k(r') dr'}}{k(r)^{1/2}} + R \frac{e^{-i \operatorname{Re} \int_{r_2}^r k(r') dr'}}{k(r)^{1/2}} \leftrightarrow T \frac{e^{i \operatorname{Re} \int_{r_3}^r k(r') dr'}}{k(r)^{1/2}} \quad (\text{B27a})$$

and

$$T \frac{e^{-i \operatorname{Re} \int_{r_2}^r k(r') dr'}}{k(r)^{1/2}} \leftrightarrow R \frac{e^{+i \operatorname{Re} \int_{r_3}^r k(r') dr'}}{k(r)^{1/2}} + \frac{e^{-i \operatorname{Re} \int_{r_3}^r k(r') dr'}}{k(r)^{1/2}} \quad (\text{B27b})$$

respectively. The reflection coefficient is

$$R = -ie^{i2\rho} \cos \delta \quad (\text{B27c})$$

and the transmission coefficient is

$$T = e^{i2\rho} \sin \delta \quad (\text{B27d})$$

The first and second terms on the left-hand side of relation (B27a) represent an incident and a reflected wave, respectively; the term on the right side is the transmitted wave. A similar interpretation also holds for the relation (B27b). One can easily observe that the conservation of probability current ($|R|^2 + |T|^2 = 1$) is fulfilled. The relations (B27a) and (B27b) can be combined, in the way described on page 604 of reference 35 for "building up" standing waves from traveling waves, to construct the connection formula (B25).

Alternately, if the physical insight acquired in the "building up" process is set aside, one can find the connection formula (B25) from a linear combination of the relations (B27a) and (B27b) directly by adjusting the coefficients to make the wave function conform to the boundary condition (5). If relation (B27b) is first multiplied by the coefficient a and the result is added to (B27a), the wave function of this sum will have the form of the right-hand side of relation (B10) with $r_0 = r_1$ and $g_a = 0$ inside the well when a

is determined from

$$(aT + R)e^{i2\varphi} = i \quad (B28)$$

With the value of a from the relation (B28), the sum, after it is multiplied by the factor $(1/2)e^{i(\varphi-\pi/4)}$, becomes the connection formula (B25).

If ρ is set equal to zero, the connection formula (B25) is the same as that obtained from the wave functions of reference 35 for energies which are below the barrier maximum.²

When the energy is in the intermediate range (between the barrier maximum and the well minimum, but not too close to either the barrier maximum or the well minimum), all three turning points are well separated from each other. As described in reference 23, Langer's connection formula can then be used at each of the turning points to give the connection formula

$$\begin{aligned} & \frac{1}{k(r)^{1/2}} \sin \left[\int_{r_1}^r k(r') dr' + \frac{\pi}{4} \right] \leftrightarrow G(r) \rightarrow \\ & \left[4e^{2I} \cos^2 \varphi + \frac{1}{4} e^{-2I} \sin^2 \varphi \right]^{1/2} \frac{1}{k(r)^{1/2}} \sin \left[\int_{r_3}^r k(r') dr' + \frac{\pi}{4} + \tan^{-1} \left(\frac{e^{-2I}}{4} \tan \varphi \right) \right] \end{aligned} \quad (B29)$$

The right-hand side of relation (B29) will be used later to obtain the phase shift.

When the energy is near the well minimum, the wave function of the right side of relation (B22) is joined to that of the left side of relation (B10) for the turning point $r_0 = r_3$. The asymptotic form of the wave function outside the barrier for large r , instead of that on the right side of (B29), is then

$$\begin{aligned} G(r) \rightarrow & \left[4e^{2(I+\tau)} \cos^2 \varphi + \frac{1}{4} e^{-2(I+\tau)} \sin^2 \varphi \right]^{1/2} \frac{1}{k(r)^{1/2}} \sin \left\{ \int_{r_3}^r k(r') dr' + \frac{\pi}{4} \right. \\ & \left. + \tan^{-1} \left[\frac{e^{-2(I+\tau)}}{4} \tan \varphi \right] \right\} \end{aligned} \quad (B30)$$

²This corresponding correction formula is given incorrectly by the relation (26) of reference 35; in the notation of Livingston it should read

$$\frac{t}{1 + ir[a_2, a_1]^2} [(a_1, x) - i(x, a_1)] \leftrightarrow [a_1, a_2] \left\{ \left[r - \frac{it^2[a_2, a_1]^2}{1 + ir[a_2, a_1]^2} \right] (x, a_3) + (a_3, x) \right\}$$

Consequently, results of reference 35 which are derived from relation (26) are also in error.

where phase τ can be expressed as a function of φ by

$$\tau = \frac{1}{2} \ln \left[\frac{\Gamma\left(\frac{1}{2} + \frac{\varphi}{\pi}\right)}{\sqrt{2\pi}} \right] - \frac{\varphi}{2\pi} \ln \left| \frac{\varphi}{\pi e} \right| \quad (\text{B31})$$

By a comparison of the asymptotic forms of the wave function for large r from relations (B25), (B29), and (B30) with that of a free particle, the phase shift is found for energies near the barrier maximum to be

$$\eta = \eta_0 + \rho + \tan^{-1} \left[\frac{\sqrt{1 + e^{-2I}} - 1}{\sqrt{1 + e^{-2I}} + 1} \tan(\varphi + \rho) \right] \quad (\text{B32})$$

in the intermediate range to be³

$$\eta = \eta_0 + \tan^{-1} \left[\frac{e^{-2I}}{4} \tan \varphi \right] \quad (\text{B33})$$

and near the well minimum to be

$$\eta = \eta_0 + \tan^{-1} \left[\frac{e^{-2(I+\tau)}}{4} \tan \varphi \right] \quad (\text{B34})$$

where

$$\eta_0 = \text{Re} \left\{ \int_{r_3}^{\infty} [k(r') - k] dr' - kr_3 \right\} + \left(l + \frac{1}{2} \right) \frac{\pi}{2} \quad (\text{B35})$$

Another approximation to the phase shift at energies equal to or less than the barrier maximum can be derived from the results of the JWKB method of Fröman and Fröman (ref. 15). If the function $q(x)$ of reference 15 is taken to be $k(x)$ as in the first-order WKB approximation, one can use the approximate value of the F matrix (relation 6.31 of ref. 15) to obtain connection formulas which are like those of relation (B27), except that the phase ρ is replaced by the quantity $(\pi/4) - (1/2)\arg F_{12}$ where F_{12} is an element in the F matrix. Then, when the phase shift is determined from these connection formulas by one of the procedures outlined above, one finds that the phase shift is given by the expression (B32) with ρ replaced by this quantity there also.⁴

³This result has been given by Buckingham and Dalgarno in reference 36; its derivation is given in reference 23.

⁴Using a result of Soop for a parabolic barrier (eq. (33) of ref. 37 where $\arg F_{12}$ is expressed as a function of the parameter $K=I$), one can verify that ρ is equal to the phase $(\pi/4) - (1/2)\arg F_{12}$ when the barrier is parabolic and that in general ρ is an approximation to this phase if I is determined from the Miller and Good relation (26a). The values of -2ρ compare favorably with the exact values of $\arg F_{12} - (\pi/2)$ for a potential barrier of an Eckart potential (see fig. 4 of ref. 37).

At energies below the barrier maximum, the contribution of η_{JWKB} to the phase shift appears explicitly in expressions (B32) through (B34), since $\eta_0 = \eta_{\text{JWKB}}$. Using the relation (11) and noting that

$$\text{Re} \int_{r_2}^{r_3} k(r') dr' = 0 \quad (\text{B36})$$

one can rewrite the phase shift of expression (B32) in the form

$$\eta = \eta_{\text{JWKB}} + 2\rho - \tan^{-1} \left[\frac{\sin 2(\varphi + \rho)}{\sqrt{1 + e^{-2I} + \cos 2(\varphi + \rho)}} \right] \quad (\text{B37})$$

when the energy is above the barrier maximum.

When the energy is far above the barrier maximum, the value of I is large and negative. From the asymptotic form of the gamma function (ref. 38, p. 47)

$$\Gamma(Z) \xrightarrow{Z \rightarrow \infty} \sqrt{2\pi} e^{-Z} (Z-1/2) \ln Z \quad |\arg Z| < \pi \quad (\text{B38})$$

it follows from relation (B26c) that for large I

$$\rho \rightarrow 0 \quad (\text{B39})$$

and hence, from expression (B37), that the phase shift becomes equal to η_{JWKB} when the energy is far above the barrier maximum.

Ford, Hill, Wakano, and Wheeler (ref. 24) have derived an approximation to the phase shift for energies close to the barrier maximum. Their result can be obtained from expression (B32) by an expansion of the phase shift in energy about the barrier maximum. If the argument of the gamma function is approximated by⁵

$$\arg \Gamma\left(\frac{1}{2} + ix\right) \rightarrow \frac{x}{2} \ln \left[\left(\frac{x}{e}\right)^2 + \left(\frac{1}{4\gamma}\right)^2 \right] \quad (\text{B40})$$

where x is real and $\gamma = 1.78107 \dots$ and the effective potential energy is approximated by a parabola

$$V_e\left(\frac{l + \frac{1}{2}}{k}, r\right) \approx V_e\left(\frac{l + \frac{1}{2}}{k}, r_m\right) + \frac{1}{2} \frac{\partial^2}{\partial r^2} V_e\left(\frac{l + \frac{1}{2}}{k}, r\right) \Big|_{r=r_m} (r - r_m)^2 \quad (\text{B41})$$

for values of r near the position of the barrier maximum r_m , one can show that the phase shift becomes

⁵Values of the argument of the gamma function are compared with the corresponding values of the expression on the right side of relation (B40) in table I of reference 24.

$$\begin{aligned}
\eta_{\epsilon_m \rightarrow 0} & \rightarrow \frac{s^2}{2} + \int_s^\infty \left[\sqrt{-2v(\xi)} - \sqrt{-2v(\infty)} \right] d\xi - \sqrt{-2v(\infty)} (\alpha_m r_m + s) \\
& + \epsilon_m \left\{ \frac{1}{2} \ln(2s^2) + \int_s^\infty \left[\frac{1}{\sqrt{-2v(\xi)}} - \frac{1}{\sqrt{-2v(\infty)}} \right] d\xi - \frac{\alpha_m r_m + s}{\sqrt{-2v(\infty)}} \right\} - \frac{\epsilon_m}{2} \ln \sqrt{\left(\frac{\epsilon_m}{e}\right)^2 + \left(\frac{1}{4\gamma}\right)^2} \\
& + \left(\lambda + \frac{1}{2} \right) \frac{\pi}{2} + \tan^{-1} \left(\frac{\sqrt{1 + e^{2\pi\epsilon_m}} - 1}{\sqrt{1 + e^{2\pi\epsilon_m}} + 1} \tan \left\{ \frac{s^2}{2} + \int_{-\alpha_m(r_m - r_1)}^{-s} \sqrt{-2v(\xi)} d\xi \right. \right. \\
& \left. \left. + \epsilon_m \left[\frac{1}{2} \ln(2s^2) + \int_{-\alpha_m(r_m - r_1)}^{-s} \frac{1}{\sqrt{-2v(\xi)}} d\xi - \frac{\epsilon_m}{2} \ln \sqrt{\left(\frac{\epsilon_m}{e}\right)^2 + \left(\frac{1}{4\gamma}\right)^2} \right] \right\} \right) \quad (B42)
\end{aligned}$$

where the dimensionless variables are defined by

$$\xi = \alpha_m (r - r_m) \quad (B43)$$

$$\epsilon_m = \frac{E - V_e \left[\frac{\lambda + (1/2)}{k}, r_m \right]}{\hbar \omega_m} \quad (B44)$$

$$v(\xi) = \frac{V_e \left[\frac{\lambda + (1/2)}{k}, \frac{\xi}{\alpha_m} + r_m \right] - V_e \left[\frac{\lambda + (1/2)}{k}, r_m \right]}{\hbar \omega_m} \quad (B45)$$

and the harmonic oscillator quantities α_m and ω_m are defined by

$$\alpha_m^2 = \frac{\mu \omega_m}{\hbar} = \frac{1}{\hbar} \left\{ \mu \left| \frac{\partial^2}{\partial r^2} V_e \left[\frac{\lambda + (1/2)}{k}, r \right] \right|_{r=r_m} \right\}^{1/2} \quad (B46)$$

The relation (B42) is the "mixing formula," equation (21) of reference 24, expressed in a different form.⁶

When the energy is well below the barrier maximum, the value of I is large and positive. Hence, noting that $\rho \approx 0$ and that

$$\frac{\sqrt{1 + e^{-2I}} - 1}{\sqrt{1 + e^{-2I}} + 1} \rightarrow \frac{e^{-2I}}{4} \quad (\text{B47})$$

one sees that the phase shift given by the expression (B32) becomes equal to that given by the expression (B33) for intermediate energies. At energies far above the well minimum, ϕ is large; from relations (B31) and (B38), one sees that $\tau \rightarrow 0$ and therefore that the phase shift from expression (B34) becomes the same as that from the expression (B33).⁷

At energies which are close to the well minimum, the phase shift has the form⁸

⁶The equivalence of relation (B42) with the "mixing formula" of reference 24 can be verified readily with the aid of the identity,

$$\tan \alpha = \frac{\sqrt{1 + e^{-2I}} + 1}{\sqrt{1 + e^{-2I}} - 1} \tan \left(\frac{1}{2} \tan^{-1}(e^{-I}) + \cot^{-1} \left\{ -2e^I + \cot \left[\alpha + \frac{1}{2} \tan^{-1}(e^{-I}) - \frac{\pi}{2} \right] \right\} \right)$$

when α is set equal to the argument of the tangent in relation (B42) and $I = -\pi\epsilon_m$. Similarly, if one sets $\alpha = \phi + \rho$, replaces the tangent in the expression (B32) with the quantity on the right side of this identity, and then uses the fact that ρ and δ are small compared to unity when the value of I is large, one can obtain the result recommended in table IV of reference 24 for energies well below the barrier maximum. However, this result is less satisfactory at smaller values of I than is the phase shift given by expression (B33), since terms of order δ rather than δ^4 as on the right side of relation (B47) are neglected. For example, the resonance condition $\phi = (n + 1/2)\pi + \delta/2$, which is predicted by this phase shift of reference 24, is inconsistent to first order in δ with the criterion $\phi = [n + (1/2)]\pi$ for a minimum value of the amplitude on the right side of the connection formula (B25).

⁷Using relations (B38) and (B47), one can also see that the connection formula (B25) becomes the same as that given by (B29) when the energy is well below the barrier maximum. Similarly, one sees that (B30) reduces to the expression on the right side of (B29) when the energy is far above the well minimum.

⁸During the course of the publication of this paper the author became aware that this result (B48) has been derived recently by Connor (ref. 39).

$$\begin{aligned}
\eta \xrightarrow{\epsilon_m \rightarrow 0} & \int_{\alpha_m(r_3-r_m)}^{\infty} \left[\sqrt{-2v(\xi)} - \sqrt{-2v(\infty)} \right] d\xi - \sqrt{-2v(\infty)} \alpha_m r_3 \\
& + \epsilon_m \left\{ \int_{\alpha_m(r_3-r_m)}^{\infty} \left[\frac{1}{\sqrt{-2v(\xi)}} - \frac{1}{\sqrt{-2v(\infty)}} \right] d\xi - \frac{\alpha_m r_3}{\sqrt{-2v(\infty)}} \right\} + \left(l + \frac{1}{2} \right) \frac{\pi}{2} \\
& + \tan^{-1} \left(\frac{1}{4} e^{-2 \left\{ \frac{s^2}{2} + \int_s^{\alpha_m(r_3-r_m)} \sqrt{2v(\xi)} d\xi - \epsilon_m \left[\frac{1}{2} \ln(2s^2) + \int_s^{\alpha_m(r_3-r_m)} \frac{d\xi}{\sqrt{2v(\xi)}} \right] + \frac{1}{2} \ln \left[\frac{\Gamma(1/2 + \epsilon_m)}{\sqrt{2\pi}} \right] \right\}} \right) \tan(\pi \epsilon_m)
\end{aligned} \tag{B48}$$

where the dimensionless harmonic oscillator variables are related to a parabolic approximation to the effective potential energy (relation (B41)), where r_m is now the position of the well minimum) by equations (B43) through (B46).

Recalling that since I becomes large and $\rho \rightarrow 0$ as the energy recedes from the barrier maximum and also that since φ becomes large and $\tau \rightarrow 0$ as the energy is raised from the well minimum, the phase shifts (B32) and (B34) yield the same result (B33) for energies in the intermediate range, one sees that the phase shift can be represented by the single analytical form

$$\eta \approx \eta_0 + \rho + \tan^{-1} \left[\frac{\sqrt{1 + e^{-2(I+\tau)}} - 1}{\sqrt{1 + e^{-2(I+\tau)}} + 1} \tan(\varphi + \rho) \right] \tag{B49}$$

to a fairly good approximation for all energies in the barrier region. If the value of the arctangent is restricted to the interval $0 \leq \tan^{-1} < \pi$, the phase shift becomes

$$\eta = \eta_0 + \rho + n\pi + \tan^{-1} \left[\frac{\sqrt{1 + e^{-2(I+\tau)}} - 1}{\sqrt{1 + e^{-2(I+\tau)}} + 1} \tan(\varphi + \rho) \right] \tag{B50}$$

where the integer n satisfies

$$0 \leq \varphi + \rho - n\pi < \pi \tag{B51}$$

If both ρ and τ are set equal to zero, relation (B49) becomes the phase shift found by the method of Livingston (ref. 35) for energies equal to or

below the barrier maximum and also, if the barrier is parabolic as in reference 35, for energies above the barrier maximum.⁹

Note that the resonance behavior of the phase shift is exhibited explicitly by the arctangent term in the above expressions.¹⁰ The resonance energies E_R satisfy the relation

$$\varphi + \rho = \left(n + \frac{1}{2}\right)\pi \quad (\text{B52a})$$

which for large $|I|$ reduces to

$$\varphi = \left(n + \frac{1}{2}\right)\pi \quad (\text{B52b})$$

they correspond to the energy levels of the metastable bound states below the barrier maximum and to the virtual levels above the barrier maximum.¹¹ If the argument of the arctangent is expanded in energy about E_R , the resonance contribution becomes

$$\eta_R = \tan^{-1} \left(\frac{\Gamma/2}{E_R - E} \right) \quad (\text{B53})$$

where the level width Γ is calculated from the expression

$$\frac{2}{\Gamma} = \frac{\sqrt{1 + e^{-2(I+\tau)}} + 1}{\sqrt{1 + e^{-2(I+\tau)}} - 1} \frac{d}{dE} (\varphi + \rho) \bigg|_{E=E_R} \quad (\text{B54a})$$

which can be simplified for large positive I to

⁹If desired, one can readily cast the phase shift (B49) into a form similar to that which appears in reference 35 with the help of the identity

$$\tan(\varphi + \rho) = \frac{|T| + 1}{|T| - 1} \tan \left\{ \frac{1}{2} \tan^{-1} \left[\frac{\frac{|T|^2 - 1}{|T|^2 + 1} \sin 2(\varphi + \rho)}{\frac{2|T|}{|T|^2 + 1} + \cos 2(\varphi + \rho)} \right] \right\}$$

when $|T| = \sqrt{1 + e^{-2(I+\tau)}}$

¹⁰The results of a numerical calculation of the phase shift for a Lennard-Jones potential (ref. 40) illustrate the resonance behavior of the phase shift for energies in the barrier region. These exact results are compared with those of the "mixing formula" of reference 24 by Herm (ref. 41) and with those of the phase shift of reference 35 (see part III of ref. 35).

¹¹The resonance behavior of the phase shift has been incorrectly explained in terms of level splitting in reference 35.

$$\frac{2}{\Gamma} \rightarrow 4e^{2(I+\tau)} \left. \frac{d\phi}{dE} \right|_{E=E_R} \quad (B54b)$$

or large negative I to

$$\frac{2}{\Gamma} \rightarrow \left. \frac{d\phi}{dE} \right|_{E=E_R} \quad (B54c)$$

If the levels are well separated, the resonance contribution from a single level with energy E_R increases the phase shift by an amount π as the energy is increased from a value for which $(E - E_R)/\Gamma \ll -1$ to a value for which $(E - E_R)/\Gamma \gg 1$.

APPENDIX C

A BACKWARD-SCATTERING APPROXIMATION

The contribution to the backward-scattering cross section from impact parameters greater than β_0 , which is equal to β_0 when $E < E_t$ or β_r when $E > E_t$, is contained in a sum of partial cross sections of the type (35); it can be written in the form¹

$$\sum_g \sigma_g(\theta) = 2\pi r_e^2 (kr_e) \sum_{n=1}^{\infty} \frac{\beta_n^2}{\left| \frac{d\chi}{d\beta} \right|_n} J_0^2(z_n) \quad (C1)$$

where

$$z_n = kr_e \beta_n \sin \theta \leq 1 \quad (C2)$$

and β_n and $\left| \frac{d\chi}{d\beta} \right|_n$ correspond to the n th point of stationary phase when $\theta = \pi$. The cross section of this expression (C1) will be shown to be approximately equal to that given by (47) for the scattering of interest here.

If one lets

$$\Delta\beta_n = \beta_1 - \beta_n \quad (n > 1) \quad (C3)$$

where β_1 is the value of β for which $|\chi| = \pi$, the Bessel function

$$J_0(z_n) = J_0[z_1(1 - \Delta\beta_n/\beta_1)] \quad (C4a)$$

from the addition formula for Bessel functions is

$$J_0(z_n) = J_0(z_1)J_0(z_1\Delta\beta_n/\beta_1) \left[1 + 2 \sum_{m=1}^{\infty} \frac{J_m(z_1)}{J_0(z_1)} \frac{J_m(z_1\Delta\beta_n/\beta_1)}{J_0(z_1\Delta\beta_n/\beta_1)} \right] \quad (C4b)$$

or, approximately,

$$J_0(z_n) \approx J_0(z_1) \left\{ 1 + z_1 \frac{J_1(z_1)}{J_0(z_1)} \frac{\Delta\beta_n}{\beta_1} + o\left[\left(\frac{\Delta\beta_n}{\beta_1}\right)^2\right] \right\} \quad (C4c)$$

¹It is assumed here that the value of $|\chi_r|$ is not near an odd integer multiple of π ; if it were, the scattering cross sections would contain a rainbow contribution given by equation (36) in addition to the sum (C1). The above analysis still holds if the rainbow contribution is not included in the approximation procedure, but is added to the two partial cross sections of the form (C7) for $\beta < \beta_0$ and $\beta > \beta_0$ to obtain the total contribution from negative χ .

One can establish this result (C4c) with the aid of relation (C2), the small argument approximation

$$J_m(x) \approx \frac{1}{m!} \left(\frac{x}{2}\right)^m \left[1 - \frac{1}{m+1} \left(\frac{x}{2}\right)^2 + \dots\right] \quad (C5)$$

and the fact that $(\Delta\beta_n/\beta_1) \leq [(\beta_1 - \beta_p)/\beta_1] \ll 1$ for the scattering of interest here.

With the help of the above result the cross section (C1) becomes, to first order in $\Delta\beta_n/\beta_1$,

$$\sum_g \sigma_g(\theta) = 2\pi r_e^2 (kr_e) \beta_1 J_0^2(z_1) \sum_{n=1} \frac{\beta_n}{\left|\frac{d\chi}{d\beta}\right|_n} \left\{ 1 + \left[2z_1 \frac{J_1(z_1)}{J_0(z_1)} - 1 \right] \frac{\sum_{n=2} \left(\beta_n \left|\frac{d\chi}{d\beta}\right|_n^{-1} \right) \frac{\Delta\beta_n}{\beta_1}}{\sum_{n=1} \beta_n \left|\frac{d\chi}{d\beta}\right|_n^{-1}} \right\} \quad (C6)$$

Also for the scattering of interest here (provided, of course, that χ_{n+1} is not near χ_r), one has $\beta_{n+1} / \left|\frac{d\chi}{d\beta}\right|_{n+1} \ll \beta_n / \left|\frac{d\chi}{d\beta}\right|_n$ so that the second term of (C6) can be neglected to give to a good approximation

$$\sum_g \sigma_g(\theta) \approx 2\pi r_e^2 (kr_e) \beta_1 J_0^2(kr_e \beta_1 \sin \theta) \sum_{n=1} \frac{\beta_n}{\left|\frac{d\chi}{d\beta}\right|_n} \quad (C7)$$

Taking into account the factor of 2 which is contained in the tabulated values² of $S_3(\pi)$, one sees that the cross section (C7) is equal to that of (47). The above analysis can be repeated for the contribution from negative χ with $\beta < \beta_p$ to obtain an approximation which is similar to that of (C7).

²The value of $S_3(\pi)$ given in the tables is larger by a factor of 2 than the sum appearing in the expression (C7). Because of the condition placed upon the sum index, $\beta / \left|\frac{d\chi}{d\beta}\right|$ for each value of $|\chi|$ equal to $\pi, 3\pi$, etc., is counted twice in the tabulated sum.

APPENDIX D

DEFINITIONS OF SYMBOLS APPEARING IN THE LARGE-ANGLE SCATTERING TABLES

ALPHA	α , potential parameter
GAMMA	γ , potential parameter
K	$K = E/\varepsilon$, reduced kinetic energy
DC	$-\left. \frac{d\chi}{d\beta} \right _{\beta=0}$
XR	x_r , reduced classical turning point when $\beta = \beta_r$
BR	β_r , reduced rainbow impact parameter
TR	θ_r (degrees), observed rainbow scattering angle
CR	$ \chi_r $ (radians), rainbow deflection angle
QR	$\frac{1}{2} \left. \frac{d^2\chi}{d\beta^2} \right _{\beta=\beta_r}$
XO	x_0 , value of x for which V_e has a maximum when $\beta = \beta_0$
BO	β_0 , reduced orbiting impact parameter
V2	$\frac{1}{E} \left. \frac{\partial^2 V_e}{\partial x^2} \right _{\substack{\beta=\beta_0 \\ x=x_0}}$
ST	$S_T(\theta)$ (eq. (45b))
S1,S2,S3	$S_1(\theta)$, $S_2(\theta)$, $S_3(\theta)$; i.e., the contribution $S_n(\theta)$ from the regions which correspond to $n = 1$ ($0 < \beta < \beta_g$), $n = 2$ ($\beta_g < \beta < \beta_0$ or β_r), and $n = 3$ (β_0 or $\beta_r < \beta < \infty$), respectively
X1,X2,X3	x_c , reduced classical turning point for the regions which correspond to $n = 1, 2$, and 3 , respectively
B1,B2,B3	β , reduced impact parameter for the regions which correspond to $n = 1, 2$, and 3 , respectively

APPENDIX E

A FLOW CHART FOR THE DETERMINATION OF LARGE-ANGLE CROSS SECTIONS

A flow chart (figs. 7 to 9) showing how the quantities listed in the large-angle scattering tables can be used to determine cross sections has been constructed from the results of the Theory section. The subscript θ or π of the brackets indicates that only the tabulated quantities $B1, B2, B3, S1, S2,$ and $S3$ contained within the brackets are to be evaluated at θ or π . The formula for the contribution Σ_{CR} to the scattering from impact parameters near b_r is derived from expressions (44) and (45a); however, it should be noted that when $|\chi_r|$ is less than π , Σ_{CR} can be calculated more accurately if the tabulated values of θ vs. b in addition to parabolic approximation (44) are used to calculate χ .

Since the contribution to the scattering from small impact parameters may not be treated adequately in the semiclassical approximation here, caution must be used when calculating the cross section for θ very close to π .

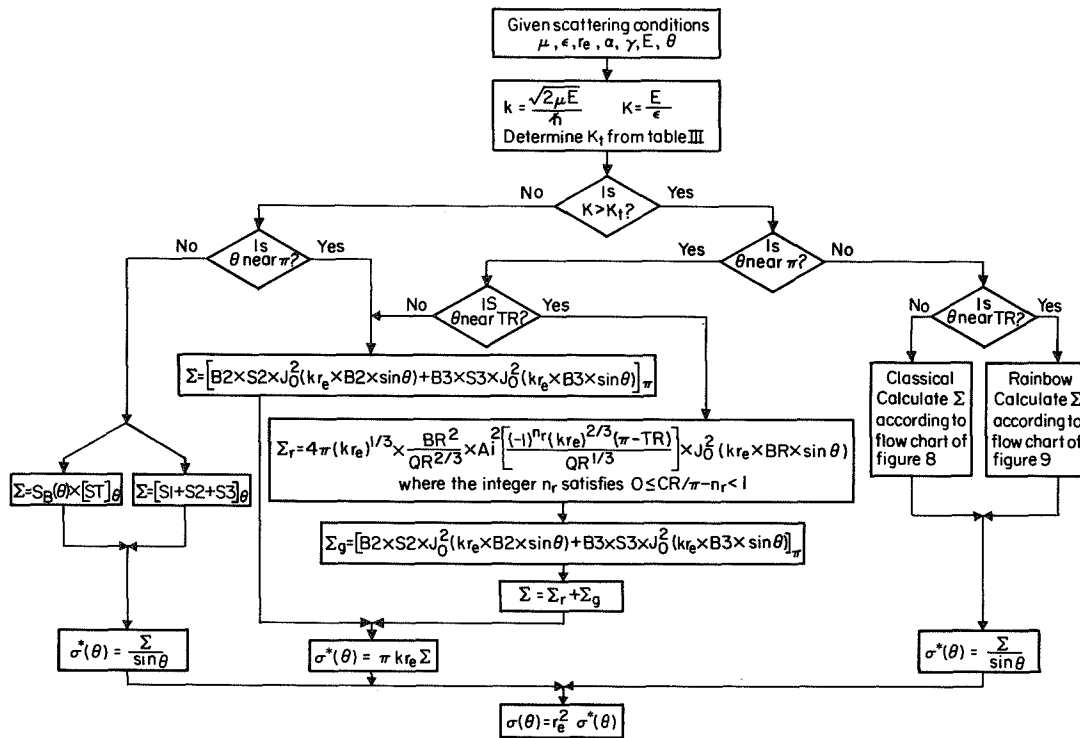


Figure 7.- Flow chart for determination of large angle cross section.

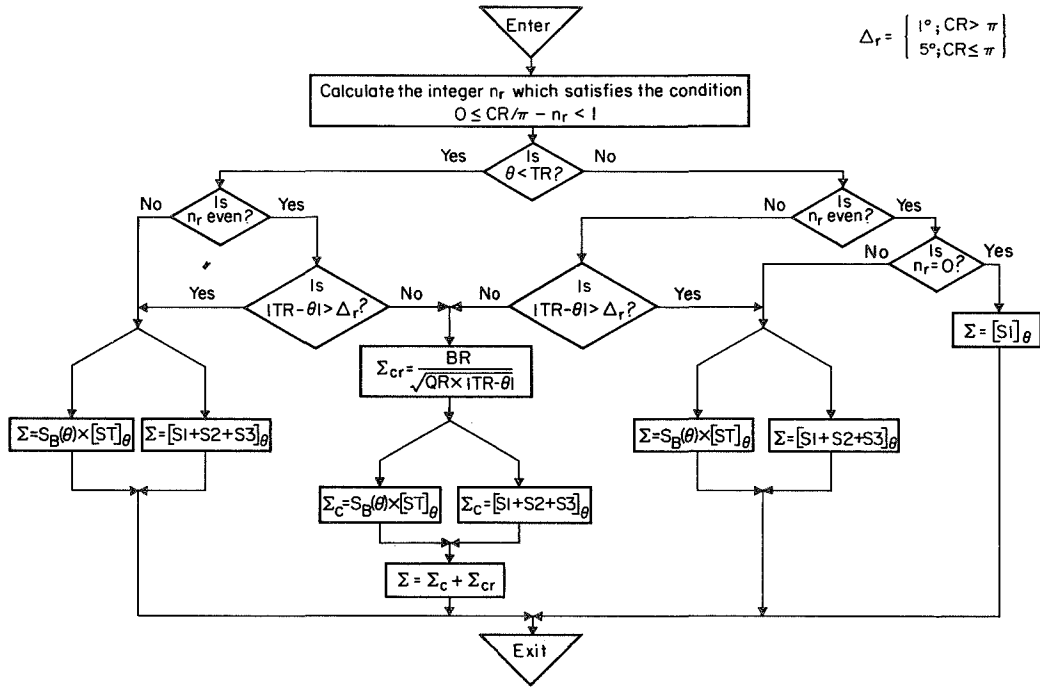


Figure 8.- Flow chart for calculation of quantity Σ for classical scattering.

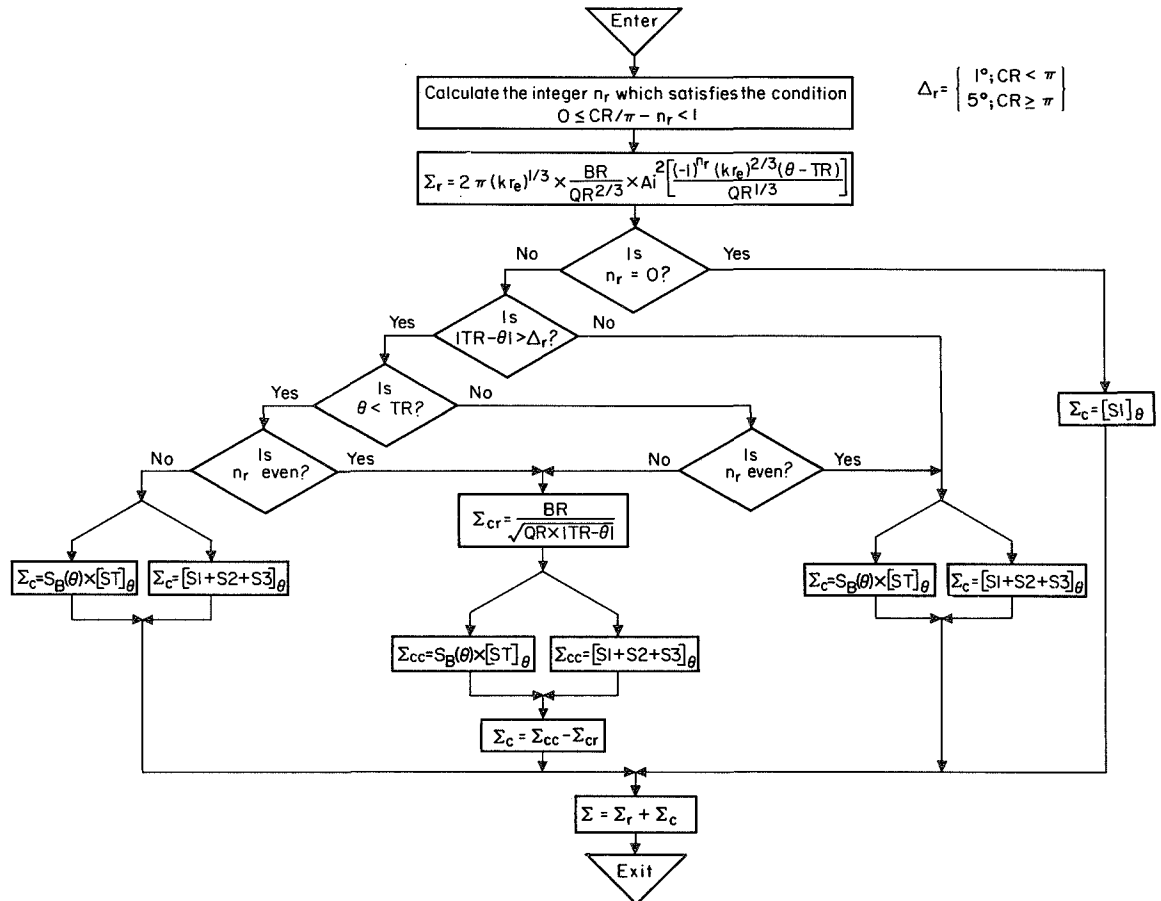


Figure 9.- Flow chart for calculation of quantity Σ for rainbow scattering.

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TABLE I.- VALUES OF THE AIRY FUNCTION $Ai(x)$

x	$Ai(-x)$	$Ai(x)$	x	$Ai(-x)$	$Ai(x)$
0.00	0.35503	0.35503	1.1	0.53381	0.12005
.05	.36796	.34209	1.2	.52619	.10613
.10	.38085	.32920	1.3	.51227	.09347
.15	.39364	.31639	1.4	.49170	.08204
.20	.40628	.30370	1.5	.46426	.07175
.25	.41872	.29116	1.6	.42986	.06254
.30	.43090	.27881	1.7	.38861	.05432
.35	.44276	.26666	1.8	.34076	.04704
.40	.45423	.25474	1.9	.28680	.04059
.45	.46524	.24308	2.0	.22741	.03492
.50	.47573	.23169	2.1	.16348	
.55	.48562	.22060	2.2	.09615	
.60	.49485	.20980	2.3	.02671	
.65	.50334	.19932	2.4	-.04333	
.70	.51100	.18916	2.5	-.11231	
.75	.51777	.17934	2.6	-.17850	
.80	.52357	.16985	2.7	-.24004	
.85	.52832	.16070	2.8	-.29510	
.90	.53196	.15189	2.9	-.34191	
.95	.53439	.14342	3.0	-.37881	
1.00	.53556	.13529	3.1	-.40738	

Maxima and Minima

x	$Ai(x)$
-1.0188	+0.53566
-3.2482	-.41902
-4.8201	+.38040
-6.1633	-.35790
-7.3722	+.34230
-8.4885	-.33048

The zeros of $Ai(x)$ are at: $x = -2.3381, -4.0879, -5.5206, -6.7867, -7.9441, -9.0227, \text{etc.}$

TABLE II.- COEFFICIENTS FOR SMALL-ANGLE EXPANSION OF CROSS SECTION (EQ. (37))

	$\nu = 6$	$\nu = 4$
$P(\nu)$	0.60253	1.1402
$A_0(\nu)$.80902	.50000
$B_0(\nu)$.58779	.86603
$A_1(\nu)$	-.096360	-.08678
$B_1(\nu)$	-.29656	
$A_2(\nu)$.0041196	
$B_2(\nu)$		
$A_3(\nu)$.00011547	
$B_3(\nu)$		

TABLE III.- REDUCED TRIPLE-POINT ENERGY ($K_t = E_{t/\epsilon}$)

$\alpha \backslash \gamma$	0	0.2	0.4	0.6	0.8	1.0
8	0.335594	0.349374	0.368337	0.396019	0.440069	0.520553
9	.371049	.390262	.416194	.452878	.508227	.599971
10	.402071	.426293	.458523	.503110	.568022	.669464
11	.429431	.458169	.495948	.547271	.620000	.729090
12	.453782	.486591	.529270	.586392	.665652	.781005
13	.475636	.512134	.559182	.621375	.706234	.826924
14	.495395	.535256	.586237	.652930	.742694	.868068
15	.513377	.556323	.610873	.681609	.775744	.905313
16	.529833	.575626	.633440	.707844	.805924	.939306

TABLE IV.- LARGE-ANGLE SCATTERING TABLES

SIN α = 0. ALPHA = 0.000 N = 0.200

B0 = 1.8161 B1 = 1.7457 B2 = 2.507945 B3 = -0.259281

WAVE	B0	B1	B2	B3	B4	B5	B6	B7	B8	B9
0	1.0000	0.0000	1.5475	0.5927	0.8623	2.15475	0.6995	0.0000	4.1348	45.1627
5	0.9999	0.0000	1.5137	0.5931	0.8581	2.15808	0.6993	0.0000	4.1348	45.1627
10	0.9996	0.0000	1.4792	0.5935	0.8539	2.16132	0.6993	0.0000	4.1348	45.1627
15	1.0207	0.0000	1.4439	0.5938	0.8537	2.16447	0.6997	0.0000	4.1348	45.1627
20	1.0565	0.0000	1.4080	0.5951	0.8566	2.16757	0.6995	0.0000	4.1348	45.1627
25	1.1019	0.0000	1.3714	0.5980	0.8595	2.17058	0.6916	0.0000	4.1348	45.1627
30	1.1556	0.0000	1.3341	0.5976	0.8625	2.17353	0.6882	0.0000	4.1348	45.1627
35	1.2186	0.0000	1.2962	0.5976	0.8654	2.17650	0.6842	0.0000	4.1348	45.1627
40	1.2882	0.0000	1.2577	0.5999	0.8685	2.17919	0.6797	0.0000	4.1348	45.1627
45	1.3649	0.0000	1.2186	0.5910	0.8715	2.18191	0.6746	0.0000	4.1348	45.1627
50	1.4497	0.0000	1.1788	0.5411	0.8745	2.18458	0.6695	0.0000	4.1348	45.1627
55	1.5424	0.0000	1.1384	0.5380	0.8776	2.18719	0.6638	0.0000	4.1348	45.1627
60	1.6439	0.0000	1.0976	0.5100	0.8807	2.18983	0.6578	0.0000	4.1348	45.1627
65	1.7536	0.0000	1.0560	0.5050	0.8838	2.19205	0.6516	0.0000	4.1348	45.1627
70	1.8718	0.0000	1.0140	0.4909	0.8869	2.19449	0.6451	0.0000	4.1348	45.1627
75	1.9981	0.0000	0.9715	0.4759	0.8900	2.19688	0.6385	0.0000	4.1348	45.1627
80	2.1325	0.0000	0.9288	0.4600	0.8931	2.19888	0.6318	0.0000	4.1348	45.1627
85	2.2749	0.0000	0.8851	0.4443	0.8962	2.20102	0.6250	0.0000	4.1348	45.1627
90	2.4251	0.0000	0.8412	0.4288	0.8993	2.20308	0.6182	0.0000	4.1348	45.1627
95	2.5830	0.0000	0.7969	0.4137	0.9024	2.20508	0.6115	0.0000	4.1348	45.1627
100	2.7484	0.0000	0.7521	0.3987	0.9055	2.20709	0.6049	0.0000	4.1348	45.1627
105	2.9213	0.0000	0.7070	0.3837	0.9086	2.20888	0.5984	0.0000	4.1348	45.1627
110	3.1016	0.0000	0.6615	0.3681	0.9116	2.21058	0.5921	0.0000	4.1348	45.1627
115	3.2893	0.0000	0.6157	0.3524	0.9147	2.21229	0.5861	0.0000	4.1348	45.1627
120	3.4843	0.0000	0.5695	0.3361	0.9177	2.21405	0.5800	0.0000	4.1348	45.1627
125	3.6866	0.0000	0.5231	0.3197	0.9207	2.21586	0.5740	0.0000	4.1348	45.1627
130	3.8961	0.0000	0.4764	0.2556	0.9236	2.21720	0.5687	0.0000	4.1348	45.1627
135	4.1127	0.0000	0.4295	0.2316	0.9266	2.21860	0.5644	0.0000	4.1348	45.1627
140	4.3463	0.0000	0.3823	0.2071	0.9295	2.22011	0.5600	0.0000	4.1348	45.1627
145	4.5869	0.0000	0.3350	0.1821	0.9323	2.22168	0.5567	0.0000	4.1348	45.1627
150	4.8347	0.0000	0.2874	0.1568	0.9352	2.22280	0.5533	0.0000	4.1348	45.1627
155	5.0896	0.0000	0.2397	0.1312	0.9379	2.22408	0.5500	0.0000	4.1348	45.1627
160	5.3516	0.0000	0.1919	0.1053	0.9407	2.22527	0.5477	0.0000	4.1348	45.1627
165	5.6207	0.0000	0.1440	0.0791	0.9434	2.22645	0.5454	0.0000	4.1348	45.1627
170	5.8969	0.0000	0.0961	0.0528	0.9461	2.22758	0.5433	0.0000	4.1348	45.1627
175	6.1801	0.0000	0.0481	0.0264	0.9487	2.22868	0.5412	0.0000	4.1348	45.1627
180	6.4703	0.0000	0.0000	0.0000	0.9512	2.22975	0.5395	0.0000	4.1348	45.1627

SIN α = 0. ALPHA = 0.000 N = 0.200

B0 = 1.9747 B1 = 1.5087 B2 = 2.262874 B3 = -0.1784E 01

WAVE	B0	B1	B2	B3	B4	B5	B6	B7	B8	B9
0	1.0000	0.0000	1.4220	0.4982	0.8527	2.14220	0.5700	0.0000	3.7361	35.8793
5	0.9973	0.0000	1.3910	0.4981	0.8563	2.14522	0.5693	0.0000	3.7361	35.8793
10	0.9925	0.0000	1.3595	0.4972	0.8599	2.14817	0.5687	0.0000	3.7361	35.8793
15	1.0226	0.0000	1.3272	0.4954	0.8636	2.15108	0.5680	0.0000	3.7361	35.8793
20	1.0596	0.0000	1.2942	0.4937	0.8674	2.15397	0.5632	0.0000	3.7361	35.8793
25	1.1033	0.0000	1.2608	0.4890	0.8712	2.15682	0.5599	0.0000	3.7361	35.8793
30	1.1535	0.0000	1.2268	0.4845	0.8751	2.15968	0.5561	0.0000	3.7361	35.8793
35	1.2100	0.0000	1.1919	0.4790	0.8790	2.16250	0.5518	0.0000	3.7361	35.8793
40	1.2721	0.0000	1.1565	0.4725	0.8830	2.16532	0.5471	0.0000	3.7361	35.8793
45	1.3398	0.0000	1.1205	0.4653	0.8870	2.16808	0.5419	0.0000	3.7361	35.8793
50	1.4131	0.0000	1.0840	0.4570	0.8911	2.17088	0.5368	0.0000	3.7361	35.8793
55	1.4919	0.0000	1.0470	0.4479	0.8952	2.17368	0.5305	0.0000	3.7361	35.8793
60	1.5761	0.0000	1.0094	0.4378	0.8994	2.17648	0.5243	0.0000	3.7361	35.8793
65	1.6657	0.0000	0.9712	0.4259	0.9036	2.17928	0.5178	0.0000	3.7361	35.8793
70	1.7607	0.0000	0.9327	0.4131	0.9079	2.18208	0.5112	0.0000	3.7361	35.8793
75	1.8621	0.0000	0.8938	0.4000	0.9121	2.18488	0.5044	0.0000	3.7361	35.8793
80	1.9699	0.0000	0.8541	0.3850	0.9163	2.18768	0.4978	0.0000	3.7361	35.8793
85	2.0841	0.0000	0.8141	0.3708	0.9207	2.19048	0.4906	0.0000	3.7361	35.8793
90	2.2047	0.0000	0.7737	0.3598	0.9251	2.19328	0.4837	0.0000	3.7361	35.8793
95	2.3318	0.0000	0.7327	0.3481	0.9294	2.19608	0.4769	0.0000	3.7361	35.8793
100	2.4653	0.0000	0.6918	0.3277	0.9338	2.19888	0.4702	0.0000	3.7361	35.8793
105	2.6053	0.0000	0.6503	0.3106	0.9381	2.20168	0.4636	0.0000	3.7361	35.8793
110	2.7518	0.0000	0.6084	0.2926	0.9425	2.20448	0.4572	0.0000	3.7361	35.8793
115	2.9048	0.0000	0.5662	0.2756	0.9469	2.20728	0.4510	0.0000	3.7361	35.8793
120	3.0641	0.0000	0.5238	0.2585	0.9512	2.21008	0.4451	0.0000	3.7361	35.8793
125	3.2297	0.0000	0.4811	0.2432	0.9556	2.21288	0.4395	0.0000	3.7361	35.8793
130	3.4016	0.0000	0.4382	0.2313	0.9600	2.21568	0.4342	0.0000	3.7361	35.8793
135	3.5798	0.0000	0.3950	0.2199	0.9644	2.21848	0.4295	0.0000	3.7361	35.8793
140	3.7641	0.0000	0.3516	0.2152	0.9688	2.22128	0.4251	0.0000	3.7361	35.8793
145	3.9545	0.0000	0.3081	0.2151	0.9732	2.22408	0.4212	0.0000	3.7361	35.8793
150	4.1510	0.0000	0.2643	0.2128	0.9777	2.22688	0.4177	0.0000	3.7361	35.8793
155	4.3536	0.0000	0.2205	0.2110	0.9821	2.22968	0.4147	0.0000	3.7361	35.8793
160	4.5623	0.0000	0.1765	0.2090	0.9865	2.23248	0.4123	0.0000	3.7361	35.8793
165	4.7771	0.0000	0.1325	0.2069	0.9909	2.23528	0.4104	0.0000	3.7361	35.8793
170	4.9989	0.0000	0.0884	0.2047	0.9953	2.23808	0.4090	0.0000	3.7361	35.8793
175	5.2267	0.0000	0.0442	0.2024	0.9997	2.24088	0.4081	0.0000	3.7361	35.8793
180	5.4611	0.0000	0.0000	0.0000	1.0020	2.24368	0.4079	0.0000	3.7361	35.8793

GAMMA = 0.

ALPHA = 8.000

K = 0.400

DC = 2.0924

XR = 1.2850

BR = 2.063257

TR = 47.98

CR = 5.4457

QR = 0.4339E 04

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8584	1.3428	0.4434	0.8584	1.3428	0.4434			
5	0.9861	0.8542	1.3136	0.4436	0.8626	1.3713	0.4424	3.4148	3.4770	31.9361
10	0.9941	0.8501	1.2838	0.4430	0.8670	1.3991	0.4406	2.8771	2.9802	10.8157
15	1.0165	0.8462	1.2534	0.4415	0.8715	1.4262	0.4381	2.6050	2.7428	5.6321
20	1.0503	0.8423	1.2224	0.4392	0.8760	1.4527	0.4349	2.4293	2.5978	3.4961
25	1.0937	0.8386	1.1907	0.4361	0.8807	1.4785	0.4309	2.3027	2.4990	2.3891
30	1.1449	0.8349	1.1584	0.4321	0.8854	1.5035	0.4262	2.2050	2.4269	1.7347
35	1.2027	0.8314	1.1256	0.4273	0.8903	1.5279	0.4210	2.1264	2.3719	1.3133
40	1.2657	0.8280	1.0922	0.4217	0.8952	1.5516	0.4151	2.0613	2.3288	1.0252
45	1.3327	0.8247	1.0582	0.4152	0.9002	1.5746	0.4086	2.0061	2.2942	0.8193
50	1.4025	0.8215	1.0237	0.4078	0.9053	1.5969	0.4016	1.9584	2.2655	0.6669
55	1.5875	0.8184	0.9887	0.3997	0.9105	1.6185	0.4615	1.9166	2.2425	0.5872
60	1.6552	0.8155	0.9532	0.3907	0.9158	1.6394	0.4465	1.8797	2.2227	0.4881
65	1.7315	0.8126	0.9172	0.3809	0.9211	1.6596	0.4361	1.8466	2.2060	0.4126
70	1.8106	0.8099	0.8807	0.3704	0.9265	1.6791	0.4272	1.8169	2.1917	0.3529
75	1.8901	0.8073	0.8438	0.3591	0.9320	1.6980	0.4191	1.7898	2.1794	0.3048
80	1.9686	0.8048	0.8064	0.3471	0.9375	1.7161	0.4114	1.7652	2.1687	0.2654
85	2.0450	0.8025	0.7686	0.3344	0.9431	1.7336	0.4039	1.7425	2.1594	0.2329
90	2.1184	0.8002	0.7305	0.3210	0.9488	1.7505	0.3966	1.7216	2.1512	0.2058
95	2.1882	0.7981	0.6920	0.3069	0.9545	1.7667	0.3895	1.7022	2.1440	0.1830
100	2.2535	0.7961	0.6531	0.2922	0.9602	1.7822	0.3826	1.6842	2.1376	0.1638
105	2.3140	0.7942	0.6139	0.2769	0.9661	1.7971	0.3760	1.6674	2.1320	0.1475
110	2.3691	0.7924	0.5744	0.2611	0.9719	1.8115	0.3695	1.6517	2.1269	0.1336
115	2.4184	0.7908	0.5345	0.2447	0.9778	1.8252	0.3633	1.6369	2.1224	0.1217
120	2.4616	0.7893	0.4945	0.2278	0.9838	1.8383	0.3575	1.6230	2.1183	0.1116
125	2.4985	0.7879	0.4541	0.2105	0.9898	1.8508	0.3519	1.6098	2.1146	0.1029
130	2.5290	0.7866	0.4136	0.1927	0.9958	1.8628	0.3468	1.5974	2.1113	0.0955
135	2.5530	0.7854	0.3728	0.1746	1.0019	1.8743	0.3420	1.5856	2.1083	0.0891
140	2.5705	0.7844	0.3319	0.1561	1.0080	1.8852	0.3377	1.5744	2.1055	0.0838
145	2.5816	0.7835	0.2907	0.1373	1.0141	1.8957	0.3337	1.5637	2.1030	0.0792
150	2.5865	0.7827	0.2495	0.1182	1.0203	1.9056	0.3303	1.5535	2.1007	0.0755
155	2.5855	0.7820	0.2081	0.0988	1.0264	1.9151	0.3274	1.5437	2.0986	0.0724
160	2.5789	0.7815	0.1666	0.0793	1.0326	1.9241	0.3249	1.5343	2.0967	0.0700
165	2.5671	0.7810	0.1250	0.0596	1.0389	1.9326	0.3230	1.5254	2.0949	0.0681
170	2.5508	0.7807	0.0834	0.0398	1.0451	1.9408	0.3217	1.5167	2.0933	0.0668
175	2.5305	0.7806	0.0417	0.0199	1.0514	1.9485	0.3208	1.5084	2.0917	0.0660
180	2.5070	0.7805	0.	0.	1.0577	1.9559	0.3206	1.5003	2.0903	0.0658

GAMMA = 0.

ALPHA = 8.000

K = 0.500

DC = 2.1868

XR = 1.2443

BR = 1.921763

TR = 157.95

CR = 3.5265

QR = 0.4109E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8628	1.2869	0.4079	0.8628	1.2869	0.4079			
5	0.9868	0.8580	1.2590	0.4081	0.8678	1.3143	0.4070	3.2294	3.2883	28.5651
10	0.9965	0.8534	1.2304	0.4075	0.8728	1.3410	0.4053	2.7207	2.8182	9.6759
15	1.0211	0.8488	1.2012	0.4062	0.8780	1.3670	0.4029	2.4632	2.5935	5.0415
20	1.0579	0.8444	1.1713	0.4041	0.8834	1.3924	0.3998	2.2973	2.4567	3.1332
25	1.1049	0.8402	1.1409	0.4012	0.8888	1.4171	0.3961	2.1771	2.3628	2.1449
30	1.1603	0.8360	1.1100	0.3975	0.8944	1.4412	0.3917	2.0843	2.2942	1.5612
35	1.2226	0.8320	1.0784	0.3930	0.9002	1.4646	0.3867	2.0094	2.2419	1.1857
40	1.2905	0.8282	1.0464	0.3878	0.9060	1.4873	0.3811	1.9472	2.2006	0.9291
45	1.3627	0.8245	1.0138	0.3817	0.9120	1.5093	0.3750	1.8943	2.1674	0.7458
50	1.4378	0.8209	0.9807	0.3749	0.9182	1.5306	0.3685	1.8484	2.1400	0.6103
55	1.5147	0.8174	0.9471	0.3674	0.9244	1.5513	0.3614	1.8081	2.1172	0.5073
60	1.5921	0.8141	0.9130	0.3590	0.9308	1.5713	0.3539	1.7722	2.0979	0.4273
65	1.6691	0.8109	0.8784	0.3500	0.9373	1.5906	0.3461	1.7399	2.0814	0.3641
70	1.7444	0.8079	0.8434	0.3403	0.9439	1.6092	0.3379	1.7107	2.0672	0.3133
75	1.8171	0.8050	0.8080	0.3298	0.9507	1.6273	0.3294	1.6840	2.0549	0.2720
80	1.8862	0.8022	0.7722	0.3187	0.9576	1.6446	0.3207	1.6594	2.0440	0.2380
85	1.9507	0.7996	0.7360	0.3070	0.9647	1.6613	0.3118	1.6367	2.0345	0.2098
90	2.0098	0.7971	0.6994	0.2946	0.9719	1.6774	0.3027	1.6155	2.0260	0.1862
95	2.0626	0.7947	0.6625	0.2816	0.9792	1.6928	0.2935	1.5957	2.0184	0.1663
100	2.1085	0.7925	0.6252	0.2681	0.9866	1.7076	0.2843	1.5772	2.0116	0.1495
105	2.1467	0.7904	0.5877	0.2540	0.9943	1.7219	0.2750	1.5596	2.0054	0.1352
110	2.1768	0.7885	0.5498	0.2394	1.0020	1.7355	0.2657	1.5430	1.9998	0.1229
115	2.1980	0.7867	0.5117	0.2243	1.0099	1.7486	0.2565	1.5271	1.9946	0.1124
120	2.2102	0.7850	0.4733	0.2088	1.0180	1.7611	0.2474	1.5120	1.9899	0.1034
125	2.2129	0.7834	0.4347	0.1929	1.0263	1.7731	0.2384	1.4975	1.9855	0.0957
130	2.2060	0.7820	0.3958	0.1766	1.0347	1.7846	0.2297	1.4834	1.9815	0.0891
135	2.1894	0.7807	0.3568	0.1599	1.0434	1.7956	0.2211	1.4699	1.9777	0.0835
140	2.1631	0.7796	0.3176	0.1430	1.0523	1.8061	0.2129	1.4566	1.9741	0.0788
145	2.1276	0.7786	0.2782	0.1257	1.0614	1.8162	0.2050	1.4437	1.9707	0.0749
150	2.0833	0.7777	0.2387	0.1082	1.0708	1.8258	0.1975	1.4310	1.9674	0.0718
155	2.0311	0.7770	0.1991	0.0905	1.0805	1.8351	0.1904	1.4184	1.9643	0.0694
160	1.9725	0.7764	0.1594	0.0726	1.0906	1.8439	0.1840	1.4059	1.9613	0.0678
165	1.9128	0.7759	0.1196	0.0546	1.1011	1.8525	0.1762	1.3933	1.9583	0.1837
170	1.8521	0.7756	0.0798	0.0365	1.1122	1.8607	0.1698	1.3806	1.9553	0.1575
175	1.7906	0.7754	0.0399	0.0182	1.1239	1.8688	0.1639	1.3675	1.9522	0.1472
180	1.7288	0.7753	0.	0.	1.1365	1.8766	0.1583	1.3538	1.9491	0.1443

GAMMA = 0.

ALPHA = 8.000

K = 0.600

DC = 2.2658

XR = 1.2216

BR = 1.817541

TR = 156.46

CR = 2.7308

QR = 0.1509E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8665	1.2449	0.3833	0.8665	1.2449	0.3833			
5	0.9877	0.8611	1.2178	0.3833	0.8721	1.2715	0.3825	3.0856	3.1418	26.0765
10	0.9990	0.8559	1.1900	0.3827	0.8778	1.2974	0.3810	2.5996	2.6928	8.8355
15	1.0263	0.8508	1.1616	0.3813	0.8837	1.3227	0.3789	2.3535	2.4780	4.6078
20	1.0666	0.8459	1.1327	0.3792	0.8898	1.3474	0.3762	2.1944	2.3467	2.8683
25	1.1178	0.8412	1.1032	0.3764	0.8961	1.3715	0.3728	2.0791	2.2567	1.9681
30	1.1781	0.8366	1.0732	0.3728	0.9025	1.3949	0.3688	1.9899	2.1907	1.4370
35	1.2459	0.8322	1.0426	0.3684	0.9091	1.4176	0.3643	1.9178	2.1401	1.0955
40	1.3197	0.8279	1.0115	0.3634	0.9159	1.4397	0.3593	1.8576	2.1001	0.8624
45	1.3982	0.8238	0.9799	0.3576	0.9229	1.4612	0.3538	1.8061	2.0677	0.6960
50	1.4801	0.8199	0.9478	0.3511	0.9301	1.4820	0.3478	1.7613	2.0409	0.5731
55	1.5642	0.8161	0.9152	0.3439	0.9375	1.5021	0.3414	1.7218	2.0183	0.4799
60	1.6495	0.8125	0.8822	0.3360	0.9451	1.5216	0.3347	1.6863	1.9991	0.4076
65	1.7347	0.8090	0.8488	0.3275	0.9529	1.5405	0.3277	1.6543	1.9825	0.3506
70	1.8190	0.8057	0.8149	0.3182	0.9610	1.5588	0.3204	1.6250	1.9681	0.3050
75	1.9013	0.8025	0.7806	0.3084	0.9692	1.5764	0.3130	1.5980	1.9553	0.2681
80	1.9810	0.7995	0.7459	0.2979	0.9777	1.5934	0.3054	1.5730	1.9440	0.2380
85	2.0574	0.7966	0.7109	0.2868	0.9865	1.6099	0.2977	1.5495	1.9339	0.2132
90	2.1298	0.7939	0.6755	0.2752	0.9956	1.6257	0.2900	1.5274	1.9247	0.1928
95	2.1980	0.7914	0.6398	0.2630	1.0050	1.6410	0.2824	1.5065	1.9164	0.1759
100	2.2618	0.7890	0.6038	0.2503	1.0147	1.6558	0.2750	1.4865	1.9087	0.1620
105	2.3214	0.7867	0.5675	0.2371	1.0248	1.6700	0.2679	1.4673	1.9015	0.1507
110	2.3774	0.7846	0.5309	0.2234	1.0353	1.6838	0.2611	1.4486	1.8948	0.1416
115	2.4310	0.7826	0.4940	0.2093	1.0464	1.6971	0.2550	1.4304	1.8885	0.1347
120	2.4845	0.7808	0.4569	0.1948	1.0580	1.7100	0.2496	1.4125	1.8823	0.1299
125	2.5415	0.7791	0.4196	0.1799	1.0703	1.7226	0.2455	1.3946	1.8764	0.1272
130	2.6088	0.7776	0.3821	0.1647	1.0834	1.7349	0.2430	1.3765	1.8705	0.1271
135	2.6989	0.7762	0.3444	0.1491	1.0977	1.7471	0.2433	1.3579	1.8645	0.1304
140	2.8372	0.7750	0.3066	0.1333	1.1136	1.7593	0.2483	1.3383	1.8582	0.1389
145	3.0870	0.7739	0.2686	0.1172	1.1319	1.7719	0.2628	1.3168	1.8513	0.1573
150	3.4643	0.7729	0.2304	0.1008	1.1545	1.7856	0.3033	1.2915	1.8429	0.2020
155	6.8273	0.7722	0.1922	0.0843	1.1897	1.8037	0.5262	1.2537	1.8299	0.4330
160	0.4508	0.7715	0.1539	0.0677						
165	0.3547	0.7710	0.1155	0.0509						
170	0.2477	0.7706	0.0770	0.0340						
175	0.1295	0.7704	0.0385	0.0170						
180	0.	0.7703	0.	0.						

GAMMA = 0.

ALPHA = 8.000

K = 0.800

DC = 2.3943

XR = 1.1954

BR = 1.674640

TR = 111.24

CR = 1.9415

QR = 0.5538E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8723	1.1851	0.3522	0.8723	1.1851	0.3522			
5	0.9895	0.8658	1.1589	0.3517	0.8790	1.2108	0.3522	2.8714	2.9238	22.5849
10	1.0049	0.8596	1.1322	0.3506	0.8860	1.2359	0.3515	2.4190	2.5057	7.6602
15	1.0386	0.8535	1.1049	0.3488	0.8933	1.2604	0.3503	2.1895	2.3054	4.0054
20	1.0874	0.8477	1.0771	0.3465	0.9008	1.2844	0.3486	2.0405	2.1824	2.5041
25	1.1488	0.8421	1.0488	0.3434	0.9087	1.3088	0.3464	1.9322	2.0977	1.7287
30	1.2211	0.8368	1.0199	0.3398	0.9168	1.3306	0.3438	1.8478	2.0351	1.2719
35	1.3025	0.8316	0.9906	0.3354	0.9252	1.3529	0.3409	1.7790	1.9867	0.9790
40	1.3918	0.8266	0.9608	0.3305	0.9340	1.3748	0.3376	1.7211	1.9480	0.7797
45	1.4878	0.8219	0.9306	0.3249	0.9432	1.3958	0.3341	1.6711	1.9161	0.6380
50	1.5897	0.8173	0.8999	0.3187	0.9528	1.4164	0.3304	1.6270	1.8894	0.5341
55	1.6967	0.8130	0.8688	0.3119	0.9628	1.4365	0.3268	1.5875	1.8664	0.4560
60	1.8087	0.8088	0.8373	0.3044	0.9733	1.4561	0.3232	1.5516	1.8465	0.3965
65	1.9257	0.8048	0.8053	0.2964	0.9844	1.4753	0.3200	1.5184	1.8288	0.3506
70	2.0486	0.8010	0.7730	0.2878	0.9960	1.4940	0.3173	1.4874	1.8129	0.3154
75	2.1792	0.7974	0.7404	0.2787	1.0085	1.5123	0.3155	1.4581	1.7983	0.2887
80	2.3212	0.7940	0.7073	0.2690	1.0218	1.5304	0.3152	1.4298	1.7847	0.2695
85	2.4814	0.7907	0.6740	0.2588	1.0362	1.5483	0.3172	1.4023	1.7718	0.2573
90	2.6729	0.7876	0.6403	0.2481	1.0520	1.5662	0.3230	1.3748	1.7593	0.2527
95	2.9235	0.7847	0.6064	0.2369	1.0698	1.5844	0.3359	1.3467	1.7466	0.2580
100	3.3028	0.7820	0.5721	0.2253	1.0906	1.6035	0.3633	1.3169	1.7332	0.2805
105	4.0552	0.7795	0.5376	0.2133	1.1169	1.6247	0.4322	1.2826	1.7176	0.3463
110	7.7730	0.7771	0.5029	0.2009	1.1599	1.6540	0.8294	1.2325	1.6939	0.7426
115	0.8816	0.7749	0.4679	0.1881						
120	0.8741	0.7728	0.4327	0.1750						
125	0.8578	0.7709	0.3974	0.1615						
130	0.8323	0.7692	0.3618	0.1478						
135	0.7973	0.7677	0.3261	0.1338						
140	0.7522	0.7663	0.2902	0.1195						
145	0.6969	0.7651	0.2542	0.1050						
150	0.6309	0.7640	0.2181	0.0904						
155	0.5541	0.7632	0.1819	0.0756						
160	0.4661	0.7624	0.1456	0.0606						
165	0.3669	0.7619	0.1093	0.0455						
170	0.2561	0.7615	0.0729	0.0304						
175	0.1339	0.7612	0.0364	0.0152						
180	0.	0.7611	0.	0.						

GAMMA = 0.

ALPHA = 8.000

K = 1.000

DC = 2.4976

XR = 1.1805

BR = 1.581075

TR = 87.49

CR = 1.5270

QR = 0.3221E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8766	1.1442	0.3348	0.8766	1.1442	0.3348			
5	0.9915	0.8691	1.1184	0.3334	0.8845	1.1695	0.3357	2.7156	2.7651	20.2042
10	1.0119	0.8619	1.0922	0.3315	0.8927	1.1943	0.3362	2.2874	2.3695	6.8639
15	1.0534	0.8550	1.0654	0.3291	0.9013	1.2186	0.3364	2.0696	2.1793	3.6023
20	1.1126	0.8484	1.0383	0.3262	0.9103	1.2425	0.3363	1.9277	2.0620	2.2649
25	1.1867	0.8421	1.0106	0.3228	0.9197	1.2659	0.3361	1.8237	1.9806	1.5755
30	1.2742	0.8360	0.9825	0.3188	0.9296	1.2888	0.3357	1.7421	1.9199	1.1706
35	1.3739	0.8302	0.9540	0.3143	0.9401	1.3113	0.3354	1.6750	1.8723	0.9121
40	1.4854	0.8247	0.9250	0.3092	0.9512	1.3335	0.3354	1.6178	1.8338	0.7374
45	1.6087	0.8193	0.8956	0.3036	0.9629	1.3553	0.3358	1.5677	1.8015	0.6149
50	1.7450	0.8143	0.8659	0.2974	0.9754	1.3767	0.3372	1.5228	1.7737	0.5271
55	1.8970	0.8094	0.8357	0.2907	0.9889	1.3980	0.3401	1.4817	1.7492	0.4638
60	2.0699	0.8048	0.8052	0.2834	1.0036	1.4193	0.3455	1.4432	1.7271	0.4194
65	2.2743	0.8004	0.7743	0.2756	1.0198	1.4406	0.3548	1.4064	1.7066	0.3910
70	2.5319	0.7962	0.7430	0.2674	1.0380	1.4624	0.3714	1.3702	1.6869	0.3788
75	2.8952	0.7922	0.7115	0.2586	1.0592	1.4852	0.4025	1.3333	1.6671	0.3879
80	3.5287	0.7885	0.6796	0.2494	1.0855	1.5104	0.4713	1.2931	1.6455	0.4400
85	5.5018	0.7849	0.6474	0.2398	1.1246	1.5425	0.7281	1.2418	1.6175	0.6846
90	0.8331	0.7815	0.6150	0.2297						
95	0.8622	0.7784	0.5822	0.2192						
100	0.8850	0.7754	0.5493	0.2083						
105	0.9007	0.7726	0.5161	0.1970						
110	0.9090	0.7700	0.4826	0.1855						
115	0.9093	0.7676	0.4490	0.1735						
120	0.9011	0.7654	0.4152	0.1613						
125	0.8838	0.7633	0.3812	0.1489						
130	0.8572	0.7615	0.3470	0.1361						
135	0.8207	0.7598	0.3127	0.1232						
140	0.7741	0.7583	0.2783	0.1100						
145	0.7169	0.7570	0.2438	0.0966						
150	0.6488	0.7559	0.2091	0.0831						
155	0.5697	0.7549	0.1744	0.0695						
160	0.4791	0.7541	0.1396	0.0557						
165	0.3770	0.7535	0.1048	0.0419						
170	0.2632	0.7531	0.0699	0.0280						
175	0.1376	0.7528	0.0349	0.0140						
180	0.	0.7527	0.	0.						

GAMMA = 0.

ALPHA = 8.000

K = 1.200

DC = 2.5844

XR = 1.1706

BR = 1.514892

TR = 72.48

CR = 1.2651

QR = 0.2250E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8800	1.1142	0.3248	0.8800	1.1142	0.3248			
5	0.9938	0.8715	1.0885	0.3224	0.8889	1.1394	0.3271	2.5946	2.6419	18.4493
10	1.0201	0.8635	1.0625	0.3196	0.8983	1.1643	0.3292	2.1849	2.2633	6.2821
15	1.0707	0.8558	1.0360	0.3164	0.9082	1.1887	0.3312	1.9759	2.0808	3.3122
20	1.1418	0.8484	1.0092	0.3129	0.9187	1.2129	0.3333	1.8390	1.9675	2.0967
25	1.2314	0.8414	0.9819	0.3089	0.9299	1.2367	0.3358	1.7378	1.8881	1.4719
30	1.3384	0.8347	0.9543	0.3045	0.9418	1.2603	0.3389	1.6577	1.8283	1.1067
35	1.4631	0.8284	0.9262	0.2996	0.9545	1.2837	0.3430	1.5910	1.7808	0.8756
40	1.6077	0.8223	0.8978	0.2943	0.9683	1.3070	0.3488	1.5333	1.7414	0.7223
45	1.7768	0.8165	0.8690	0.2884	0.9833	1.3303	0.3574	1.4818	1.7077	0.6188
50	1.9800	0.8110	0.8399	0.2822	1.0000	1.3540	0.3705	1.4344	1.6776	0.5506
55	2.2380	0.8057	0.8104	0.2754	1.0188	1.3783	0.3918	1.3893	1.6499	0.5116
60	2.6003	0.8007	0.7806	0.2682	1.0409	1.4039	0.4297	1.3446	1.6230	0.5042
65	3.2239	0.7959	0.7504	0.2606	1.0687	1.4325	0.5106	1.2972	1.5947	0.5507
70	5.1286	0.7914	0.7200	0.2525	1.1103	1.4696	0.8075	1.2386	1.5591	0.8215
75	0.7375	0.7871	0.6892	0.2440						
80	0.7828	0.7831	0.6582	0.2350						
85	0.8233	0.7793	0.6269	0.2257						
90	0.8586	0.7756	0.5954	0.2161						
95	0.8878	0.7722	0.5636	0.2060						
100	0.9105	0.7691	0.5316	0.1956						
105	0.9261	0.7661	0.4993	0.1849						
110	0.9340	0.7633	0.4669	0.1740						
115	0.9337	0.7608	0.4343	0.1627						
120	0.9248	0.7584	0.4015	0.1512						
125	0.9066	0.7562	0.3686	0.1394						
130	0.8789	0.7542	0.3356	0.1274						
135	0.8411	0.7525	0.3024	0.1152						
140	0.7930	0.7509	0.2691	0.1029						
145	0.7342	0.7495	0.2356	0.0903						
150	0.6643	0.7483	0.2021	0.0777						
155	0.5831	0.7472	0.1686	0.0649						
160	0.4903	0.7464	0.1349	0.0521						
165	0.3858	0.7458	0.1012	0.0391						
170	0.2693	0.7453	0.0675	0.0261						
175	0.1407	0.7450	0.0338	0.0131						
180	0.	0.7449	0.	0.						

GAMMA = 0.

ALPHA = 8.000

K = 1.400

DC = 2.6600

XR = 1.1636

BR = 1.465519

TR = 62.03

CR = 1.0826

QR = 0.1727E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8827	1.0911	0.3196	0.8827	1.0911	0.3196			
5	0.9964	0.8733	1.0654	0.3158	0.8927	1.1165	0.3234	2.4963	2.5418	17.0887
10	1.0293	0.8644	1.0393	0.3119	0.9033	1.1416	0.3273	2.1017	2.1772	5.8353
15	1.0903	0.8560	1.0130	0.3079	0.9145	1.1666	0.3317	1.8991	2.0002	3.0937
20	1.1755	0.8480	0.9863	0.3036	0.9266	1.1913	0.3369	1.7660	1.8899	1.9737
25	1.2836	0.8404	0.9593	0.2990	0.9396	1.2159	0.3432	1.6666	1.8117	1.4005
30	1.4158	0.8331	0.9319	0.2941	0.9537	1.2406	0.3515	1.5870	1.7520	1.0683
35	1.5760	0.8263	0.9042	0.2888	0.9691	1.2655	0.3630	1.5197	1.7036	0.8622
40	1.7735	0.8197	0.8761	0.2832	0.9863	1.2908	0.3797	1.4603	1.6625	0.7316
45	2.0291	0.8135	0.8478	0.2771	1.0060	1.3170	0.4059	1.4056	1.6260	0.6541
50	2.3941	0.8076	0.8191	0.2707	1.0292	1.3450	0.4518	1.3528	1.5915	0.6245
55	3.0368	0.8019	0.7901	0.2638	1.0588	1.3766	0.5501	1.2980	1.5562	0.6670
60	5.2180	0.7966	0.7608	0.2566	1.1052	1.4195	0.9509	1.2299	1.5117	1.0258
65	0.6559	0.7915	0.7312	0.2490						
70	0.7095	0.7867	0.7014	0.2410						
75	0.7596	0.7822	0.6713	0.2326						
80	0.8054	0.7779	0.6409	0.2239						
85	0.8463	0.7738	0.6103	0.2148						
90	0.8818	0.7700	0.5795	0.2054						
95	0.9111	0.7664	0.5484	0.1957						
100	0.9337	0.7631	0.5172	0.1857						
105	0.9490	0.7599	0.4857	0.1755						
110	0.9565	0.7570	0.4541	0.1649						
115	0.9556	0.7543	0.4224	0.1541						
120	0.9459	0.7518	0.3904	0.1431						
125	0.9269	0.7495	0.3584	0.1319						
130	0.8981	0.7475	0.3262	0.1205						
135	0.8592	0.7456	0.2939	0.1090						
140	0.8097	0.7439	0.2615	0.0972						
145	0.7494	0.7425	0.2290	0.0854						
150	0.6779	0.7412	0.1964	0.0734						
155	0.5949	0.7401	0.1638	0.0613						
160	0.5001	0.7392	0.1311	0.0492						
165	0.3934	0.7386	0.0984	0.0369						
170	0.2746	0.7381	0.0656	0.0246						
175	0.1435	0.7378	0.0328	0.0123						
180	0.	0.7377	0.	0.						

GAMMA = 0.

ALPHA = 8.000

K = 1.600

DC = 2.7272

XR = 1.1583

BR = 1.427229

TR = 54.29

CR = 0.9475

QR = 0.1402E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8850	1.0728	0.3174	0.8850	1.0728	0.3174			
5	0.9992	0.8747	1.0468	0.3122	0.8960	1.0985	0.3230	2.4141	2.4581	15.9951
10	1.0396	0.8650	1.0207	0.3071	0.9077	1.1241	0.3292	2.0315	2.1045	5.4810
15	1.1122	0.8559	0.9943	0.3021	0.9204	1.1496	0.3366	1.8347	1.9325	2.9236
20	1.2136	0.8472	0.9677	0.2970	0.9341	1.1752	0.3456	1.7040	1.8241	1.8820
25	1.3445	0.8391	0.9407	0.2918	0.9491	1.2010	0.3574	1.6055	1.7464	1.3522
30	1.5101	0.8313	0.9135	0.2863	0.9657	1.2273	0.3736	1.5255	1.6860	1.0501
35	1.7234	0.8240	0.8860	0.2806	0.9845	1.2543	0.3976	1.4565	1.6359	0.8705
40	2.0156	0.8170	0.8583	0.2746	1.0065	1.2829	0.4365	1.3938	1.5919	0.7714
45	2.4749	0.8104	0.8302	0.2683	1.0334	1.3144	0.5098	1.3329	1.5501	0.7475
50	3.4988	0.8041	0.8019	0.2616	1.0709	1.3529	0.7064	1.2669	1.5050	0.8734
55	0.5583	0.7982	0.7732	0.2547						
60	0.6178	0.7925	0.7444	0.2474						
65	0.6752	0.7872	0.7152	0.2397						
70	0.7295	0.7821	0.6859	0.2318						
75	0.7801	0.7774	0.6563	0.2235						
80	0.8264	0.7728	0.6264	0.2149						
85	0.8676	0.7686	0.5964	0.2060						
90	0.9032	0.7646	0.5662	0.1968						
95	0.9325	0.7608	0.5357	0.1874						
100	0.9549	0.7573	0.5051	0.1777						
105	0.9699	0.7541	0.4743	0.1677						
110	0.9769	0.7510	0.4434	0.1576						
115	0.9754	0.7482	0.4123	0.1472						
120	0.9650	0.7456	0.3811	0.1366						
125	0.9451	0.7432	0.3498	0.1258						
130	0.9153	0.7411	0.3183	0.1149						
135	0.8753	0.7391	0.2868	0.1038						
140	0.8246	0.7374	0.2551	0.0926						
145	0.7629	0.7359	0.2234	0.0813						
150	0.6899	0.7346	0.1916	0.0699						
155	0.6053	0.7334	0.1598	0.0584						
160	0.5088	0.7325	0.1279	0.0468						
165	0.4002	0.7318	0.0960	0.0351						
170	0.2793	0.7313	0.0640	0.0234						
175	0.1459	0.7310	0.0320	0.0117						
180	0.	0.7309	0.	0.						

GAMMA = 0.

ALPHA = 8.000

K = 1.800

DC = 2.7880

XR = 1.1542

BR = 1.396644

TR = 48.31

CR = 0.8431

QR = 0.1182E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8869	1.0578	0.3174	0.8869	1.0578	0.3336			
5	1.0023	0.8757	1.0216	0.3106	0.8989	1.0840	0.3250	2.3439	2.3867	15.0920
10	1.0009	0.8653	1.0053	0.3042	0.9118	1.1102	0.3339	1.9717	2.0427	9.1917
15	1.1363	0.8555	0.9788	0.2982	0.9259	1.1365	0.3448	1.7792	1.8743	2.7883
20	1.2565	0.8462	0.9521	0.2923	0.9414	1.1632	0.3590	1.6499	1.7669	1.8133
25	1.4158	0.8375	0.9252	0.2863	0.9587	1.1905	0.3783	1.5516	1.6890	1.3224
30	1.6278	0.8293	0.8981	0.2803	0.9783	1.2189	0.4069	1.4703	1.6273	1.0507
35	1.9276	0.8216	0.8707	0.2741	1.0016	1.2492	0.4538	1.3984	1.5744	0.9053
40	2.4222	0.8142	0.8431	0.2678	1.0307	1.2832	0.5454	1.3296	1.5231	0.8665
45	3.6845	0.8073	0.8153	0.2612	1.0732	1.3268	0.8255	1.2540	1.4713	1.0546
50	0.5125	0.8007	0.7872	0.2543						
55	0.5747	0.7944	0.7589	0.2472						
60	0.6352	0.7885	0.7304	0.2398						
65	0.6933	0.7830	0.7016	0.2321						
70	0.7483	0.7777	0.6726	0.2241						
75	0.7994	0.7727	0.6434	0.2159						
80	0.8460	0.7680	0.6141	0.2074						
85	0.8874	0.7636	0.5845	0.1986						
90	0.9230	0.7594	0.5548	0.1894						
95	0.9522	0.7553	0.5248	0.1804						
100	0.9744	0.7519	0.4948	0.1709						
105	0.9890	0.7485	0.4645	0.1613						
110	0.9956	0.7453	0.4342	0.1514						
115	0.9935	0.7424	0.4037	0.1413						
120	0.9823	0.7397	0.3731	0.1311						
125	0.9616	0.7373	0.3424	0.1207						
130	0.9309	0.7351	0.3116	0.1102						
135	0.8899	0.7330	0.2806	0.0995						
140	0.8380	0.7313	0.2497	0.0888						
145	0.7751	0.7297	0.2186	0.0779						
150	0.7007	0.7283	0.1875	0.0669						
155	0.6146	0.7272	0.1563	0.0559						
160	0.5165	0.7262	0.1251	0.0448						
165	0.4062	0.7253	0.0939	0.0336						
170	0.2835	0.7250	0.0626	0.0224						
175	0.1481	0.7247	0.0313	0.0112						
180	0.	0.7246	0.	0.						

GAMMA = 0.

ALPHA = 8.000

K = 2.000

DC = 2.8437

XR = 1.1509

BR = 1.371638

TR = 43.53

CR = 0.7598

QR = 0.1022E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8885	1.0454	0.3189	0.8885	1.0454	0.3352			
5	1.0056	0.8765	1.0188	0.3104	0.9015	1.0721	0.3288	2.2830	2.3246	14.3307
10	1.0633	0.8653	0.9922	0.3027	0.9156	1.0990	0.3408	1.9190	1.9882	4.9523
15	1.1630	0.8549	0.9656	0.2956	0.9312	1.1263	0.3561	1.7298	1.8226	2.6801
20	1.3050	0.8451	0.9388	0.2888	0.9486	1.1543	0.3768	1.6019	1.7162	1.7627
25	1.5004	0.8359	0.9119	0.2822	0.9685	1.1835	0.4069	1.5030	1.6375	1.3086
30	1.7801	0.8273	0.8848	0.2756	0.9919	1.2147	0.4555	1.4195	1.5796	1.0720
35	2.2399	0.8191	0.8575	0.2689	1.0214	1.2498	0.5488	1.3425	1.5162	0.9826
40	3.3718	0.8114	0.8300	0.2622	1.0640	1.2947	0.8231	1.2610	1.4562	1.1329
45	0.4630	0.8041	0.8024	0.2553						
50	0.5272	0.7973	0.7745	0.2482						
55	0.5904	0.7908	0.7464	0.2409						
60	0.6517	0.7846	0.7182	0.2334						
65	0.7105	0.7788	0.6897	0.2256						
70	0.7660	0.7734	0.6611	0.2177						
75	0.8175	0.7682	0.6323	0.2095						
80	0.8643	0.7633	0.6033	0.2010						
85	0.9059	0.7588	0.5741	0.1924						
90	0.9415	0.7545	0.5448	0.1835						
95	0.9705	0.7504	0.5153	0.1744						
100	0.9924	0.7467	0.4857	0.1652						
105	1.0067	0.7432	0.4560	0.1557						
110	1.0127	0.7399	0.4261	0.1461						
115	1.0101	0.7369	0.3961	0.1363						
120	0.9982	0.7342	0.3660	0.1264						
125	0.9767	0.7316	0.3359	0.1163						
130	0.9451	0.7293	0.3056	0.1061						
135	0.9031	0.7273	0.2753	0.0958						
140	0.8502	0.7254	0.2449	0.0854						
145	0.7861	0.7238	0.2144	0.0749						
150	0.7105	0.7224	0.1839	0.0644						
155	0.6231	0.7212	0.1533	0.0537						
160	0.5235	0.7203	0.1227	0.0431						
165	0.4117	0.7195	0.0920	0.0323						
170	0.2873	0.7190	0.0614	0.0216						
175	0.1501	0.7187	0.0307	0.0108						
180	0.	0.7186	0.	0.						

GAMMA=0. ALPHA= 8.000 K= 2.20

DC= 2.8953 XR= 1.14814 BR= 1.35080
TR=39.6361 CR= 0.69178 QR= 9.01474

THETA	ST	X1	B1	S1
0	1.0000	0.0898	1.0349	0.3217
5	1.0093	0.0770	1.0079	0.3117
10	1.0164	0.0651	0.9810	0.3021
15	1.1919	0.0541	0.9541	0.2939
20	1.13600	0.0438	0.9272	0.2862
25	1.6027	0.0342	0.9002	0.2782
30	1.9890	0.0251	0.8731	0.2717
35	2.8194	0.0166	0.8459	0.2644
40	0.4103	0.0086	0.8185	0.2575
45	0.4762	0.0010	0.7910	0.2503
50	0.5414	0.7939	0.7633	0.2430
55	0.6054	0.7872	0.7354	0.2352
60	0.6675	0.7808	0.7074	0.2275
65	0.7269	0.7748	0.6792	0.2201
70	0.7828	0.7692	0.6509	0.2121
75	0.8346	0.7638	0.6223	0.2039
80	0.8816	0.7588	0.5937	0.1955
85	0.9232	0.7541	0.5649	0.1869
90	0.9507	0.7497	0.5359	0.1782
95	0.9876	0.7456	0.5068	0.1692
100	1.0092	0.7417	0.4776	0.1601
105	1.0231	0.7381	0.4483	0.1509
110	1.0286	0.7346	0.4189	0.1415
115	1.0253	0.7317	0.3894	0.1319
120	1.0128	0.7289	0.3598	0.1223
125	0.9905	0.7263	0.3301	0.1125
130	0.9581	0.7239	0.3003	0.1024
135	0.9152	0.7218	0.2705	0.0926
140	0.8612	0.7199	0.2406	0.0825
145	0.7961	0.7182	0.2108	0.0723
150	0.7194	0.7168	0.1806	0.0621
155	0.6307	0.7156	0.1506	0.0519
160	0.5299	0.7144	0.1205	0.0415
165	0.4166	0.7139	0.0904	0.0312
170	0.2907	0.7133	0.0603	0.0208
175	0.1519	0.7130	0.0301	0.0104
180	0.	0.7129	0.	0.

GAMMA=0. ALPHA= 8.000 K= 2.60

DC= 2.9887 XR= 1.14393 BR= 1.31804
TR=33.6381 CR= 0.58710 QR= 7.30336

THETA	ST	X1	B1	S1
0	1.0000	0.0921	1.0362	0.3297
5	1.0173	0.0776	0.9902	0.3132
10	1.1061	0.0644	0.9426	0.3030
15	1.2585	0.0523	0.8952	0.2925
20	1.4951	0.0410	0.8480	0.2830
25	1.8949	0.0305	0.8008	0.2743
30	2.8712	0.0208	0.7536	0.2660
35	0.3659	0.0116	0.7064	0.2580
40	0.4335	0.0030	0.7091	0.2501
45	0.5012	0.7949	0.7717	0.2423
50	0.5682	0.7873	0.7443	0.2346
55	0.6337	0.7802	0.7167	0.2268
60	0.6970	0.7735	0.6891	0.2189
65	0.7573	0.7671	0.6613	0.2109
70	0.8139	0.7612	0.6334	0.2029
75	0.8662	0.7556	0.6054	0.1947
80	0.9134	0.7503	0.5773	0.1863
85	0.9549	0.7453	0.5491	0.1779
90	0.9902	0.7407	0.5207	0.1693
95	1.0186	0.7364	0.4923	0.1606
100	1.0396	0.7323	0.4638	0.1517
105	1.0526	0.7286	0.4352	0.1428
110	1.0571	0.7251	0.4066	0.1337
115	1.0527	0.7219	0.3778	0.1246
120	1.0388	0.7189	0.3490	0.1154
125	1.0151	0.7162	0.3201	0.1060
130	0.9811	0.7138	0.2912	0.0966
135	0.9365	0.7116	0.2622	0.0871
140	0.8808	0.7096	0.2332	0.0776
145	0.8137	0.7079	0.2041	0.0680
150	0.7349	0.7064	0.1750	0.0584
155	0.6441	0.7052	0.1459	0.0487
160	0.5409	0.7041	0.1167	0.0390
165	0.4252	0.7033	0.0876	0.0293
170	0.2966	0.7028	0.0584	0.0195
175	0.1549	0.7024	0.0292	0.0098
180	0.	0.7023	0.	0.

GAMMA=0. ALPHA= 8.000 K= 3.000

DC= 3.0721 XR= 1.114082 BR= 1.29348
TR=29.2322 CR= 0.51020 QR= 6.14735

THETA	ST	X1	B1	S1
0	1.0000	0.08939	1.0054	0.3400
5	1.0264	0.0778	0.9763	0.3209
10	1.1395	0.0634	0.9479	0.3056
15	1.3385	0.0502	0.9200	0.2927
20	1.6813	0.0380	0.8923	0.2814
25	2.1658	0.0268	0.8649	0.2713
30	0.3167	0.0184	0.8378	0.2619
35	0.3855	0.0066	0.8103	0.2530
40	0.4451	0.7986	0.7831	0.2446
45	0.4946	0.7898	0.7558	0.2361
50	0.5393	0.7810	0.7285	0.2280
55	0.5799	0.7735	0.7012	0.2198
60	0.6161	0.7665	0.6738	0.2117
65	0.6482	0.7599	0.6464	0.2036
70	0.6763	0.7536	0.6188	0.1954
75	0.6998	0.7478	0.5912	0.1872
80	0.7182	0.7423	0.5636	0.1789
85	0.7314	0.7372	0.5358	0.1705
90	0.7393	0.7324	0.5080	0.1621
95	0.7416	0.7279	0.4802	0.1535
100	0.7384	0.7237	0.4522	0.1449
105	0.7298	0.7198	0.4242	0.1362
110	0.7162	0.7162	0.3962	0.1274
115	0.6975	0.7129	0.3681	0.1186
120	0.6738	0.7098	0.3399	0.1097
125	0.6453	0.7070	0.3118	0.1008
130	0.6119	0.7043	0.2835	0.0918
135	0.5747	0.7022	0.2553	0.0827
140	0.5334	0.7002	0.2270	0.0736
145	0.4886	0.6984	0.1987	0.0645
150	0.4403	0.6969	0.1703	0.0553
155	0.3893	0.6956	0.1420	0.0461
160	0.3352	0.6946	0.1136	0.0369
165	0.2784	0.6937	0.0852	0.0277
170	0.2186	0.6932	0.0568	0.0185
175	0.1555	0.6928	0.0284	0.0092
180	0.	0.6927	0.	0.

GAMMA=0. ALPHA= 8.000 K= 4.000

DC= 3.2513 XR= 1.13571 BR= 1.25246
TR=22.0433 CR= 0.38479 QR= 5.24188

THETA	ST	X1	B1	S1
0	1.0000	0.08969	0.9886	0.3517
5	1.0531	0.0772	0.9538	0.3328
10	1.2431	0.0634	0.9210	0.3170
15	1.6349	0.0502	0.8894	0.3030
20	2.1978	0.0380	0.8589	0.2909
25	0.2841	0.0268	0.8294	0.2804
30	0.3367	0.0184	0.8006	0.2704
35	0.4305	0.7947	0.7719	0.2606
40	0.4942	0.7846	0.7422	0.2506
45	0.5472	0.7752	0.7125	0.2406
50	0.5987	0.7664	0.6828	0.2309
55	0.6487	0.7582	0.6531	0.2207
60	0.6963	0.7505	0.6234	0.2104
65	0.7419	0.7434	0.5937	0.2000
70	0.7856	0.7366	0.5640	0.1896
75	0.8272	0.7303	0.5343	0.1792
80	0.8669	0.7244	0.5046	0.1689
85	0.9046	0.7189	0.4749	0.1587
90	0.9403	0.7138	0.4452	0.1485
95	0.9741	0.7090	0.4155	0.1382
100	1.0061	0.7045	0.3858	0.1280
105	1.0364	0.7004	0.3561	0.1178
110	1.0651	0.6965	0.3264	0.1076
115	1.0924	0.6930	0.2967	0.0974
120	1.1184	0.6898	0.2670	0.0872
125	1.1431	0.6868	0.2373	0.0770
130	1.1666	0.6842	0.2076	0.0668
135	1.1889	0.6817	0.1779	0.0566
140	1.2101	0.6796	0.1482	0.0464
145	1.2294	0.6779	0.1185	0.0362
150	1.2469	0.6766	0.0888	0.0260
155	1.2627	0.6756	0.0591	0.0158
160	1.2770	0.6748	0.0294	0.0056
165	1.2899	0.6743	0.0000	0.0000
170	1.3014	0.6742	0.0000	0.0000
175	1.3117	0.6743	0.0000	0.0000
180	0.	0.6743	0.	0.

GAMMA = 0.

ALPHA = 9.000

K = 0.200

DC = 1.7886

X0 = 1.7137

B0 = 2.445872

V2 = -0.2419E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8583	1.5503	0.5791	0.8583	1.5503	0.6674			
5	0.9874	0.8560	1.5173	0.5800	0.8606	1.5825	0.6657	3.9553	4.0273	42.8475
10	0.9977	0.8537	1.4836	0.5798	0.8630	1.6139	0.6632	3.9335	3.4519	14.5098
15	1.0229	0.8515	1.4491	0.5787	0.8654	1.6446	0.6602	3.9174	3.1770	7.5521
20	1.0598	0.8493	1.4139	0.5765	0.8678	1.6745	0.6564	2.8144	3.0095	4.6828
25	1.1064	0.8472	1.3779	0.5733	0.8702	1.7037	0.6522	2.6679	2.8952	3.1937
30	1.1612	0.8451	1.3413	0.5690	0.8727	1.7320	0.6473	2.5553	2.8121	2.3122
35	1.2231	0.8431	1.3039	0.5635	0.8752	1.7596	0.6420	2.4650	2.7491	1.7438
40	1.2909	0.8411	1.2658	0.5570	0.8777	1.7864	0.6362	2.3905	2.6999	1.3545
45	1.3636	0.8392	1.2271	0.5494	0.8803	1.8124	0.6300	2.3275	2.6606	1.0759
50	1.4401	0.8373	1.1877	0.5407	0.8828	1.8377	0.6235	2.2735	2.6287	0.8696
55	1.5196	0.8355	1.1477	0.5308	0.8854	1.8622	0.6167	2.2265	2.6024	0.7127
60	1.6012	0.8337	1.1070	0.5199	0.8879	1.8860	0.6096	2.1852	2.5806	0.5907
65	1.6840	0.8320	1.0657	0.5078	0.8905	1.9090	0.6023	2.1486	2.5623	0.4943
70	1.7672	0.8304	1.0238	0.4947	0.8931	1.9312	0.5949	2.1158	2.5468	0.4169
75	1.8499	0.8288	0.9814	0.4805	0.8956	1.9528	0.5874	2.0864	2.5337	0.3541
80	1.9314	0.8273	0.9384	0.4652	0.8982	1.9736	0.5799	2.0598	2.5224	0.3025
85	2.0109	0.8259	0.8949	0.4490	0.9007	1.9937	0.5724	2.0356	2.5128	0.2598
90	2.0878	0.8245	0.8508	0.4317	0.9033	2.0131	0.5649	2.0136	2.5045	0.2242
95	2.1614	0.8232	0.8063	0.4135	0.9058	2.0318	0.5576	1.9934	2.4973	0.1944
100	2.2311	0.8220	0.7613	0.3944	0.9083	2.0499	0.5504	1.9749	2.4911	0.1692
105	2.2962	0.8208	0.7159	0.3743	0.9108	2.0672	0.5434	1.9578	2.4856	0.1479
110	2.3565	0.8197	0.6701	0.3534	0.9133	2.0840	0.5367	1.9421	2.4809	0.1297
115	2.4113	0.8187	0.6239	0.3317	0.9157	2.1001	0.5302	1.9276	2.4768	0.1143
120	2.4603	0.8177	0.5773	0.3093	0.9182	2.1156	0.5241	1.9141	2.4731	0.1011
125	2.5032	0.8169	0.5304	0.2861	0.9206	2.1305	0.5183	1.9017	2.4700	0.0899
130	2.5397	0.8161	0.4831	0.2623	0.9229	2.1448	0.5129	1.8900	2.4672	0.0803
135	2.5696	0.8153	0.4356	0.2378	0.9253	2.1585	0.5079	1.8792	2.4647	0.0722
140	2.5930	0.8147	0.3879	0.2128	0.9276	2.1717	0.5034	1.8692	2.4626	0.0654
145	2.6097	0.8141	0.3399	0.1873	0.9299	2.1844	0.4993	1.8598	2.4607	0.0596
150	2.6197	0.8136	0.2917	0.1614	0.9321	2.1965	0.4958	1.8510	2.4590	0.0548
155	2.6233	0.8132	0.2434	0.1351	0.9343	2.2081	0.4927	1.8428	2.4575	0.0509
160	2.6206	0.8128	0.1949	0.1084	0.9365	2.2193	0.4902	1.8352	2.4562	0.0478
165	2.6120	0.8126	0.1462	0.0815	0.9386	2.2299	0.4883	1.8280	2.4550	0.0455
170	2.5979	0.8124	0.0975	0.0545	0.9406	2.2402	0.4869	1.8213	2.4540	0.0439
175	2.5788	0.8122	0.0488	0.0273	0.9427	2.2499	0.4860	1.8150	2.4531	0.0429
180	2.5553	0.8122	0.	0.	0.9447	2.2593	0.4857	1.8091	2.4523	0.0426

GAMMA = 0.

ALPHA = 9.000

K = 0.300

DC = 1.9358

X0 = 1.5084

B0 = 2.202232

V2 = -0.2342E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8648	1.4275	0.4853	0.8648	1.4275	0.5487			
5	0.9878	0.8619	1.3975	0.4868	0.8679	1.4568	0.5465	3.5740	3.6391	34.9854
10	0.9990	0.8589	1.3667	0.4873	0.8709	1.4854	0.5436	3.0112	3.1191	11.8478
15	1.0252	0.8561	1.3352	0.4870	0.8741	1.5132	0.5401	2.7263	2.8706	6.1672
20	1.0634	0.8533	1.3031	0.4858	0.8773	1.5403	0.5360	2.5431	2.7194	3.8248
25	1.1114	0.8506	1.2702	0.4836	0.8805	1.5666	0.5314	2.4107	2.6161	2.6095
30	1.1677	0.8479	1.2366	0.4805	0.8838	1.5922	0.5262	2.3088	2.5409	1.8904
35	1.2311	0.8454	1.2024	0.4764	0.8871	1.6170	0.5206	2.2272	2.4839	1.4269
40	1.3044	0.8428	1.1675	0.4713	0.8905	1.6411	0.5146	2.1597	2.4393	1.1096
45	1.3745	0.8404	1.1319	0.4653	0.8939	1.6645	0.5082	2.1026	2.4037	0.8827
50	1.4522	0.8381	1.0957	0.4582	0.8973	1.6871	0.5015	2.0536	2.3747	0.7148
55	1.5327	0.8358	1.0589	0.4502	0.9008	1.7090	0.4945	2.0109	2.3508	0.5871
60	1.6149	0.8336	1.0215	0.4412	0.9042	1.7302	0.4873	1.9733	2.3309	0.4880
65	1.6979	0.8315	0.9836	0.4313	0.9077	1.7506	0.4799	1.9399	2.3142	0.4096
70	1.7807	0.8294	0.9450	0.4203	0.9113	1.7704	0.4724	1.9100	2.3000	0.3468
75	1.8626	0.8275	0.9059	0.4085	0.9148	1.7894	0.4648	1.8830	2.2879	0.2957
80	1.9426	0.8256	0.8663	0.3957	0.9183	1.8078	0.4572	1.8586	2.2775	0.2538
85	2.0200	0.8238	0.8262	0.3821	0.9219	1.8254	0.4497	1.8363	2.2686	0.2191
90	2.0941	0.8221	0.7856	0.3675	0.9255	1.8425	0.4422	1.8159	2.2608	0.1902
95	2.1641	0.8205	0.7446	0.3521	0.9290	1.8588	0.4348	1.7972	2.2541	0.1659
100	2.2294	0.8190	0.7031	0.3359	0.9326	1.8745	0.4276	1.7800	2.2482	0.1454
105	2.2895	0.8175	0.6612	0.3190	0.9361	1.8896	0.4206	1.7641	2.2431	0.1280
110	2.3435	0.8162	0.6189	0.3012	0.9397	1.9041	0.4138	1.7494	2.2386	0.1132
115	2.3920	0.8149	0.5762	0.2828	0.9432	1.9180	0.4073	1.7357	2.2346	0.1006
120	2.4337	0.8138	0.5332	0.2637	0.9467	1.9313	0.4012	1.7229	2.2311	0.0898
125	2.4684	0.8127	0.4899	0.2440	0.9502	1.9441	0.3954	1.7111	2.2280	0.0806
130	2.4962	0.8117	0.4463	0.2237	0.9537	1.9563	0.3900	1.7000	2.2253	0.0728
135	2.5173	0.8108	0.4025	0.2029	0.9572	1.9679	0.3852	1.6897	2.2229	0.0661
140	2.5306	0.8100	0.3583	0.1818	0.9606	1.9791	0.3807	1.6799	2.2207	0.0605
145	2.5366	0.8093	0.3140	0.1599	0.9640	1.9898	0.3767	1.6708	2.2188	0.0557
150	2.5356	0.8087	0.2695	0.1377	0.9673	1.9999	0.3731	1.6623	2.2171	0.0518
155	2.5276	0.8082	0.2248	0.1153	0.9707	2.0097	0.3701	1.6543	2.2156	0.0486
160	2.5130	0.8078	0.1800	0.0926	0.9740	2.0189	0.3676	1.6467	2.2142	0.0460
165	2.4922	0.8074	0.1351	0.0696	0.9772	2.0278	0.3657	1.6396	2.2130	0.0441
170	2.4657	0.8072	0.0901	0.0465	0.9804	2.0362	0.3642	1.6329	2.2120	0.0427
175	2.4341	0.8071	0.0451	0.0233	0.9836	2.0443	0.3634	1.6266	2.2110	0.0419
180	2.3980	0.8070	0.	0.	0.9867	2.0519	0.3631	1.6206	2.2101	0.0417

GAMMA = 0.

ALPHA = 9.000

K = 0.400

DC = 2.0439	XR = 1.2714	BR = 2.029602	TR = 68.96	CR = 7.4868	QR = 0.6860E 05					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8699	1.3499	0.4311	0.8699	1.3499	0.4704			
5	0.9882	0.8663	1.3216	0.4328	0.8735	1.3774	0.4680	3.3260	3.3866	30.3044
10	1.0001	0.8628	1.2927	0.4336	0.8773	1.4042	0.4649	2.8021	2.9026	10.2670
15	1.0273	0.8594	1.2631	0.4337	0.8811	1.4302	0.4614	2.5971	2.6713	5.3481
20	1.0667	0.8561	1.2328	0.4329	0.8850	1.4556	0.4572	2.3665	2.5306	3.3204
25	1.1163	0.8528	1.2018	0.4313	0.8890	1.4802	0.4526	2.2432	2.4344	2.2690
30	1.1746	0.8497	1.1702	0.4288	0.8930	1.5041	0.4476	2.1483	2.3643	1.6473
35	1.2402	0.8466	1.1379	0.4254	0.8971	1.5273	0.4421	2.0721	2.3111	1.2470
40	1.3119	0.8437	1.1049	0.4211	0.9013	1.5497	0.4364	2.0090	2.2694	0.9734
45	1.3888	0.8408	1.0714	0.4158	0.9055	1.5714	0.4304	1.9567	2.2360	0.7780
50	1.4699	0.8380	1.0372	0.4097	0.9098	1.5924	0.4242	1.9097	2.2088	0.6338
55	1.5547	0.8354	1.0024	0.4027	0.9141	1.6137	0.4182	1.8696	2.1863	0.5248
60	1.6437	0.8328	0.9671	0.3948	0.9185	1.6323	0.4127	1.8341	2.1675	0.4411
65	1.6956	0.8303	0.9312	0.3860	0.9230	1.6512	0.3993	1.8025	2.1516	0.3660
70	1.7777	0.8279	0.8947	0.3764	0.9275	1.6694	0.3833	1.7741	2.1381	0.3119
75	1.8583	0.8257	0.8577	0.3659	0.9320	1.6869	0.3763	1.7484	2.1264	0.2680
80	1.9368	0.8235	0.8203	0.3545	0.9366	1.7037	0.3691	1.7251	2.1164	0.2320
85	2.0121	0.8214	0.7823	0.3423	0.9412	1.7199	0.3620	1.7037	2.1077	0.2021
90	2.0836	0.8195	0.7439	0.3294	0.9458	1.7354	0.3550	1.6840	2.1002	0.1772
95	2.1505	0.8176	0.7051	0.3156	0.9505	1.7503	0.3480	1.6659	2.0935	0.1563
100	2.2122	0.8158	0.6658	0.3011	0.9552	1.7645	0.3412	1.6491	2.0877	0.1387
105	2.2680	0.8142	0.6261	0.2860	0.9600	1.7782	0.3346	1.6335	2.0825	0.1237
110	2.3176	0.8126	0.5861	0.2701	0.9647	1.7913	0.3281	1.6189	2.0780	0.1110
115	2.3604	0.8112	0.5457	0.2536	0.9695	1.8038	0.3220	1.6053	2.0739	0.1001
120	2.3960	0.8099	0.5050	0.2365	0.9743	1.8157	0.3162	1.5926	2.0703	0.0908
125	2.4242	0.8086	0.4640	0.2188	0.9790	1.8271	0.3107	1.5806	2.0670	0.0829
130	2.4447	0.8075	0.4227	0.2006	0.9838	1.8380	0.3056	1.5693	2.0641	0.0761
135	2.4576	0.8065	0.3812	0.1820	0.9886	1.8483	0.3008	1.5587	2.0615	0.0703
140	2.4626	0.8056	0.3394	0.1629	0.9935	1.8582	0.2965	1.5487	2.0592	0.0654
145	2.4699	0.8048	0.2974	0.1434	0.9983	1.8675	0.2927	1.5392	2.0571	0.0613
150	2.4496	0.8041	0.2553	0.1235	1.0031	1.8765	0.2893	1.5302	2.0552	0.0579
155	2.4320	0.8035	0.2129	0.1034	1.0079	1.8850	0.2864	1.5216	2.0534	0.0551
160	2.4074	0.8030	0.1705	0.0830	1.0126	1.8930	0.2840	1.5135	2.0518	0.0529
165	2.3763	0.8026	0.1280	0.0624	1.0174	1.9007	0.2822	1.5057	2.0504	0.0512
170	2.3391	0.8023	0.0854	0.0417	1.0222	1.9079	0.2808	1.4983	2.0491	0.0500
175	2.2968	0.8022	0.0427	0.0209	1.0269	1.9148	0.2800	1.4913	2.0479	0.0493
180	2.2494	0.8021	0.	0.	1.0317	1.9213	0.2797	1.4845	2.0468	0.0491

GAMMA = 0.

ALPHA = 9.000

K = 0.500

DC = 2.1297	XR = 1.2248	BR = 1.892761	TR = 129.76	CR = 4.0185	QR = 0.1109E 04					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8739	1.2950	0.3955	0.8739	1.2950	0.3955			
5	0.9874	0.8698	1.2680	0.3972	0.8782	1.3213	0.3930	3.1455	3.2028	27.0989
10	0.9980	0.8658	1.2403	0.3983	0.8825	1.3469	0.3896	2.6502	2.7452	9.1773
15	1.0234	0.8619	1.2119	0.3985	0.8870	1.3718	0.3859	2.3995	2.5264	4.7786
20	1.0609	0.8580	1.1829	0.3979	0.8916	1.3960	0.3814	2.2380	2.3931	2.9662
25	1.1082	0.8543	1.1532	0.3965	0.8962	1.4195	0.3762	2.1212	2.3020	2.0268
30	1.1638	0.8508	1.1229	0.3943	0.9010	1.4422	0.3705	2.0312	2.2356	1.4718
35	1.2263	0.8473	1.0919	0.3913	0.9058	1.4643	0.3643	1.9588	2.1850	1.1145
40	1.2941	0.8439	1.0604	0.3874	0.9108	1.4857	0.3575	1.8988	2.1453	0.8703
45	1.3660	0.8407	1.0282	0.3827	0.9159	1.5063	0.3504	1.8479	2.1134	0.6959
50	1.4408	0.8376	0.9954	0.3772	0.9210	1.5263	0.3427	1.8039	2.0873	0.5670
55	1.5172	0.8345	0.9620	0.3708	0.9263	1.5455	0.3348	1.7654	2.0656	0.4690
60	1.5940	0.8317	0.9281	0.3635	0.9316	1.5641	0.3265	1.7313	2.0474	0.3930
65	1.6700	0.8289	0.8937	0.3555	0.9371	1.5819	0.3179	1.7007	2.0319	0.3329
70	1.7440	0.8262	0.8587	0.3466	0.9426	1.5991	0.3090	1.6731	2.0186	0.2847
75	1.8151	0.8237	0.8232	0.3370	0.9482	1.6157	0.3000	1.6480	2.0072	0.2455
80	1.8821	0.8212	0.7873	0.3265	0.9539	1.6315	0.2908	1.6250	1.9972	0.2133
85	1.9440	0.8189	0.7509	0.3153	0.9597	1.6468	0.2815	1.6039	1.9884	0.1865
90	1.9999	0.8167	0.7140	0.3034	0.9656	1.6614	0.2721	1.5843	1.9807	0.1641
95	2.0488	0.8147	0.6767	0.2907	0.9716	1.6754	0.2627	1.5661	1.9739	0.1453
100	2.0899	0.8127	0.6390	0.2774	0.9776	1.6888	0.2533	1.5491	1.9679	0.1293
105	2.1224	0.8109	0.6009	0.2634	0.9837	1.7015	0.2439	1.5332	1.9624	0.1156
110	2.1456	0.8091	0.5625	0.2488	0.9899	1.7138	0.2345	1.5182	1.9576	0.1039
115	2.1588	0.8075	0.5238	0.2336	0.9963	1.7254	0.2253	1.5040	1.9531	0.0939
120	2.1615	0.8060	0.4847	0.2178	1.0026	1.7366	0.2162	1.4906	1.9491	0.0852
125	2.1530	0.8047	0.4453	0.2016	1.0091	1.7472	0.2073	1.4778	1.9455	0.0776
130	2.1329	0.8034	0.4057	0.1848	1.0157	1.7573	0.1985	1.4657	1.9422	0.0711
135	2.1116	0.8023	0.3658	0.1676	1.0224	1.7669	0.3213	1.4540	1.9391	0.1455
140	2.0986	0.8013	0.3257	0.1500	1.0291	1.7761	0.2928	1.4428	1.9363	0.1173
145	2.0859	0.8004	0.2854	0.1321	1.0360	1.7848	0.2790	1.4320	1.9336	0.1036
150	2.0763	0.7996	0.2450	0.1138	1.0430	1.7930	0.2701	1.4216	1.9312	0.0950
155	2.0733	0.7990	0.2044	0.0952	1.0501	1.8009	0.2637	1.4115	1.9289	0.0891
160	2.0944	0.7984	0.1636	0.0765	1.0573	1.8084	0.2591	1.4016	1.9268	0.0848
165	2.0515	0.7980	0.1228	0.0575	1.0647	1.8155	0.2557	1.3920	1.9247	0.0818
170	2.6084	0.7977	0.0819	0.0384	1.0722	1.8223	0.2534	1.3825	1.9228	0.0798
175	2.5652	0.7976	0.0410	0.0192	1.0799	1.8287	0.2521	1.3732	1.9209	0.0786
180	2.5225	0.7975	0.	0.	1.0878	1.8348	0.2516	1.3639	1.9191	0.0782

GAMMA = 0.

ALPHA = 9.000

K = 0.600

DC = 2.2010	XR = 1.2019	BR = 1.791166	TR = 171.94	CR = 3.0009	QR = 0.2988E 03					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8773	1.2536	0.3705	0.8773	1.2536	0.4098			
5	0.9882	0.8726	1.2274	0.3722	0.8821	1.2790	0.3681	3.0054	3.0601	24.7377
10	1.0001	0.8681	1.2006	0.3732	0.8870	1.3038	0.3650	2.5320	2.6228	8.3787
15	1.0277	0.8637	1.1732	0.3734	0.8921	1.3279	0.3613	2.2923	2.4136	4.3648
20	1.0679	0.8595	1.1451	0.3729	0.8973	1.3513	0.3570	2.1380	2.2863	2.7118
25	1.1186	0.8554	1.1164	0.3717	0.9027	1.3740	0.3522	2.0262	2.1990	1.8558
30	1.1781	0.8514	1.0870	0.3696	0.9082	1.3960	0.3468	1.9399	2.1353	1.3504
35	1.2449	0.8475	1.0570	0.3668	0.9138	1.4173	0.3408	1.8704	2.0866	1.0254
40	1.3175	0.8438	1.0264	0.3632	0.9195	1.4380	0.3345	1.8126	2.0483	0.8036
45	1.3946	0.8402	0.9953	0.3588	0.9255	1.4579	0.3277	1.7633	2.0174	0.6452
50	1.4747	0.8368	0.9635	0.3536	0.9315	1.4772	0.3205	1.7207	1.9920	0.5283
55	1.5568	0.8335	0.9312	0.3476	0.9377	1.4958	0.3131	1.6831	1.9707	0.4396
60	1.6395	0.8303	0.8984	0.3408	0.9441	1.5138	0.3053	1.6497	1.9528	0.3708
65	1.7217	0.8272	0.8650	0.3332	0.9506	1.5310	0.2973	1.6196	1.9374	0.3166
70	1.8022	0.8243	0.8312	0.3249	0.9573	1.5476	0.2891	1.5923	1.9241	0.2731
75	1.8801	0.8215	0.7968	0.3158	0.9641	1.5636	0.2807	1.5672	1.9125	0.2379
80	1.9542	0.8189	0.7620	0.3060	0.9711	1.5790	0.2723	1.5442	1.9023	0.2090
85	2.0238	0.8164	0.7267	0.2955	0.9782	1.5937	0.2638	1.5227	1.8933	0.1852
90	2.0879	0.8140	0.6910	0.2843	0.9856	1.6079	0.2553	1.5027	1.8852	0.1654
95	2.1458	0.8117	0.6549	0.2724	0.9931	1.6214	0.2468	1.4838	1.8779	0.1488
100	2.1969	0.8096	0.6184	0.2599	1.0009	1.6344	0.2385	1.4660	1.8713	0.1349
105	2.2467	0.8076	0.5816	0.2468	1.0089	1.6469	0.2302	1.4491	1.8653	0.1233
110	2.2768	0.8057	0.5444	0.2331	1.0171	1.6589	0.2222	1.4329	1.8598	0.1136
115	2.3051	0.8040	0.5069	0.2188	1.0256	1.6703	0.2145	1.4174	1.8546	0.1055
120	2.3258	0.8024	0.4690	0.2041	1.0343	1.6813	0.2072	1.4023	1.8498	0.0988
125	2.3393	0.8009	0.4309	0.1888	1.0434	1.6918	0.2002	1.3876	1.8453	0.0935
130	2.3466	0.7995	0.3926	0.1731	1.0529	1.7019	0.1938	1.3732	1.8410	0.0894
135	2.3496	0.7983	0.3540	0.1570	1.0629	1.7117	0.1882	1.3589	1.8368	0.0867
140	2.3513	0.7972	0.3152	0.1405	1.0734	1.7212	0.1834	1.3446	1.8327	0.0853
145	2.3522	0.7963	0.2762	0.1237	1.0846	1.7303	0.1800	1.3301	1.8286	0.0855
150	2.3771	0.7954	0.2370	0.1066	1.0967	1.7393	0.1785	1.3151	1.8245	0.0879
155	2.4315	0.7947	0.1978	0.0892	1.1100	1.7483	0.1803	1.2993	1.8202	0.0937
160	2.5683	0.7941	0.1583	0.0716	1.1252	1.7574	0.1883	1.2820	1.8154	0.1059
165	2.9479	0.7937	0.1188	0.0539	1.1438	1.7673	0.2126	1.2618	1.8097	0.1344
170	4.8348	0.7934	0.0793	0.0360	1.1715	1.7797	0.3335	1.2326	1.8012	0.2593
175	0.1446	0.7932	0.0396	0.0180						
180	0.	0.7931	0.	0.						

GAMMA = 0.

ALPHA = 9.000

K = 0.800

DC = 2.3157	XR = 1.1766	BR = 1.651410	TR = 119.21	CR = 2.0807	QR = 0.8970E 02					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8826	1.1945	0.3384	0.8826	1.1945	0.3777			
5	0.9898	0.8770	1.1694	0.3397	0.8885	1.2189	0.3365	2.7968	2.8477	21.4242
10	1.0050	0.8716	1.1438	0.3404	0.8945	1.2427	0.3340	2.3561	2.4406	7.2598
15	1.0376	0.8663	1.1175	0.3404	0.9007	1.2658	0.3310	2.1331	2.2460	3.7874
20	1.0845	0.8613	1.0906	0.3398	0.9072	1.2883	0.3274	1.9889	2.1270	2.3597
25	1.1434	0.8564	1.0631	0.3385	0.9139	1.3101	0.3234	1.8842	2.0452	1.6217
30	1.2127	0.8517	1.0351	0.3364	0.9208	1.3314	0.3190	1.8030	1.9851	1.1870
35	1.2906	0.8472	1.0064	0.3337	0.9280	1.3520	0.3142	1.7372	1.9389	0.9080
40	1.3757	0.8428	0.9772	0.3303	0.9355	1.3719	0.3091	1.6821	1.9022	0.7182
45	1.4668	0.8387	0.9474	0.3261	0.9432	1.3913	0.3037	1.6348	1.8723	0.5832
50	1.5626	0.8347	0.9171	0.3212	0.9513	1.4100	0.2982	1.5934	1.8474	0.4839
55	1.6623	0.8308	0.8863	0.3157	0.9596	1.4282	0.2925	1.5565	1.8263	0.4092
60	1.7650	0.8271	0.8550	0.3094	0.9683	1.4458	0.2869	1.5232	1.8081	0.3518
65	1.8702	0.8236	0.8231	0.3024	0.9774	1.4628	0.2813	1.4928	1.7921	0.3072
70	1.9776	0.8203	0.7908	0.2948	0.9870	1.4794	0.2759	1.4646	1.7780	0.2723
75	2.0875	0.8171	0.7581	0.2864	0.9970	1.4954	0.2710	1.4382	1.7653	0.2449
80	2.2009	0.8141	0.7249	0.2774	1.0076	1.5110	0.2667	1.4133	1.7537	0.2238
85	2.3198	0.8112	0.6913	0.2678	1.0188	1.5262	0.2633	1.3893	1.7429	0.2079
90	2.4486	0.8085	0.6573	0.2576	1.0309	1.5412	0.2614	1.3660	1.7328	0.1969
95	2.5948	0.8059	0.6229	0.2468	1.0440	1.5559	0.2618	1.3430	1.7230	0.1910
100	2.7745	0.8035	0.5882	0.2354	1.0585	1.5706	0.2661	1.3197	1.7133	0.1912
105	3.0226	0.8012	0.5531	0.2234	1.0749	1.5856	0.2776	1.2955	1.7034	0.2003
110	3.4382	0.7991	0.5177	0.2110	1.0946	1.6014	0.3057	1.2691	1.6925	0.2274
115	4.4696	0.7972	0.4819	0.1980	1.1208	1.6198	0.3923	1.2368	1.6790	0.3144
120	0.9720	0.7953	0.4460	0.1846						
125	0.9559	0.7937	0.4097	0.1708						
130	0.9293	0.7922	0.3732	0.1565						
135	0.8917	0.7908	0.3365	0.1419						
140	0.8427	0.7896	0.2996	0.1270						
145	0.7817	0.7885	0.2625	0.1118						
150	0.7086	0.7875	0.2253	0.0963						
155	0.6229	0.7868	0.1880	0.0806						
160	0.5245	0.7861	0.1505	0.0647						
165	0.4131	0.7856	0.1130	0.0487						
170	0.2885	0.7853	0.0753	0.0325						
175	0.1509	0.7850	0.0377	0.0163						
180	0.	0.7850	0.	0.						

GAMMA = 0.

ALPHA = 9.000

K = 1.000

DC = 2.4066	XR = 1.1624	BR = 1.559732	TR = 92.82	GR = 1.6200	QR = 0.4832E 02					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8866	1.1538	0.3197	0.8866	1.1538	0.3590			
5	0.9915	0.8801	1.1294	0.3203	0.8934	1.1777	0.3185	2.6451	2.6933	19.1635
10	1.0107	0.8738	1.1043	0.3205	0.9005	1.2030	0.3169	2.2282	2.3081	6.4991
15	1.0494	0.8678	1.0787	0.3200	0.9079	1.2258	0.3149	2.0166	2.1234	3.3986
20	1.1046	0.8621	1.0526	0.3190	0.9157	1.2460	0.3126	1.8798	2.0105	2.1259
25	1.1740	0.8565	1.0258	0.3174	0.9237	1.2676	0.3100	1.7798	1.9323	1.4697
30	1.2558	0.8512	0.9986	0.3152	0.9322	1.2887	0.3072	1.7018	1.8744	1.0841
35	1.3487	0.8461	0.9708	0.3123	0.9411	1.3093	0.3044	1.6381	1.8296	0.8377
40	1.4517	0.8412	0.9424	0.3089	0.9504	1.3292	0.3015	1.5842	1.7935	0.6709
45	1.5643	0.8366	0.9136	0.3047	0.9603	1.3488	0.2989	1.5375	1.7636	0.5534
50	1.6865	0.8321	0.8842	0.3000	0.9707	1.3679	0.2968	1.4959	1.7382	0.4684
55	1.8193	0.8278	0.8544	0.2945	0.9818	1.3867	0.2954	1.4583	1.7162	0.4060
60	1.9647	0.8237	0.8240	0.2885	0.9937	1.4051	0.2952	1.4235	1.6987	0.3602
65	2.1275	0.8198	0.7933	0.2818	1.0067	1.4234	0.2970	1.3908	1.6790	0.3277
70	2.3167	0.8161	0.7620	0.2745	1.0208	1.4418	0.3020	1.3594	1.6624	0.3068
75	2.5514	0.8126	0.7304	0.2666	1.0368	1.4603	0.3126	1.3284	1.6466	0.2979
80	2.8767	0.8093	0.6983	0.2581	1.0552	1.4792	0.3344	1.2957	1.6306	0.3051
85	3.3318	0.8061	0.6659	0.2491	1.0779	1.5000	0.3844	1.2623	1.6133	0.3444
90	5.0500	0.8031	0.6331	0.2394	1.1109	1.5260	0.5645	1.2192	1.5912	0.5167
95	0.9507	0.8003	0.5999	0.2293						
100	0.9789	0.7977	0.5664	0.2186						
105	0.9994	0.7952	0.5325	0.2074						
110	1.0215	0.7929	0.4984	0.1958						
115	1.0446	0.7908	0.4640	0.1837						
120	1.0679	0.7888	0.4293	0.1712						
125	0.9909	0.7870	0.3944	0.1583						
130	0.9631	0.7853	0.3592	0.1451						
135	0.9240	0.7838	0.3239	0.1315						
140	0.8729	0.7825	0.2884	0.1177						
145	0.8097	0.7813	0.2527	0.1035						
150	0.7338	0.7803	0.2168	0.0892						
155	0.6450	0.7795	0.1809	0.0746						
160	0.5430	0.7788	0.1448	0.0599						
165	0.4276	0.7782	0.1087	0.0450						
170	0.2987	0.7778	0.0725	0.0301						
175	0.1562	0.7776	0.0363	0.0151						
180	0.	0.7775	0.	0.						

GAMMA = 0.

ALPHA = 9.000

K = 1.200

DC = 2.4824	XR = 1.1532	BR = 1.494823	TR = 76.47	GR = 1.3346	QR = 0.3240E 02					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8898	1.1240	0.3084	0.8898	1.1240	0.3478			
5	0.9935	0.8824	1.0998	0.3082	0.8975	1.1477	0.3083	2.5270	2.5731	17.4963
10	1.0172	0.8754	1.0750	0.3076	0.9057	1.1708	0.3079	2.1286	2.2049	5.9412
15	1.0639	0.8687	1.0498	0.3066	0.9142	1.1936	0.3078	1.9260	2.0281	3.1167
20	1.1284	0.8623	1.0241	0.3051	0.9232	1.2158	0.3067	1.7944	1.9194	1.9597
25	1.2105	0.8561	0.9978	0.3031	0.9327	1.2376	0.3062	1.6976	1.8436	1.3648
30	1.3085	0.8503	0.9711	0.3005	0.9428	1.2598	0.3059	1.6216	1.7870	1.0167
35	1.4217	0.8446	0.9438	0.2974	0.9536	1.2800	0.3062	1.5588	1.7426	0.7959
40	1.5509	0.8393	0.9161	0.2938	0.9651	1.3008	0.3074	1.5051	1.7083	0.6483
45	1.6982	0.8342	0.8878	0.2895	0.9776	1.3213	0.3102	1.4577	1.6756	0.5469
50	1.8686	0.8293	0.8591	0.2847	0.9912	1.3418	0.3156	1.4146	1.6489	0.4771
55	2.0730	0.8247	0.8300	0.2793	1.0064	1.3624	0.3251	1.3744	1.6247	0.4315
60	2.3332	0.8202	0.8004	0.2734	1.0235	1.3838	0.3424	1.3357	1.6021	0.4075
65	2.7063	0.8160	0.7704	0.2669	1.0438	1.4059	0.3758	1.2967	1.5799	0.4100
70	3.2885	0.8120	0.7400	0.2598	1.0698	1.4311	0.4544	1.2546	1.5559	0.4652
75	6.2314	0.8082	0.7091	0.2521	1.1122	1.4660	0.8552	1.1980	1.5229	0.8483
80	0.8563	0.8046	0.6779	0.2439						
85	0.9044	0.8012	0.6463	0.2352						
90	0.9468	0.7980	0.6144	0.2260						
95	0.9827	0.7950	0.5821	0.2163						
100	1.0114	0.7922	0.5495	0.2062						
105	1.0321	0.7895	0.5167	0.1955						
110	1.0442	0.7870	0.4835	0.1845						
115	1.0470	0.7848	0.4501	0.1730						
120	1.0397	0.7826	0.4164	0.1612						
125	1.0219	0.7807	0.3825	0.1490						
130	0.9930	0.7790	0.3484	0.1366						
135	0.9523	0.7774	0.3141	0.1238						
140	0.8996	0.7759	0.2796	0.1107						
145	0.8342	0.7747	0.2450	0.0974						
150	0.7559	0.7736	0.2102	0.0839						
155	0.6643	0.7727	0.1754	0.0702						
160	0.5592	0.7720	0.1404	0.0563						
165	0.4403	0.7714	0.1054	0.0423						
170	0.3076	0.7710	0.0703	0.0283						
175	0.1608	0.7707	0.0352	0.0142						
180	0.	0.7706	0.	0.						

GAMMA = 0.

ALPHA = 9.080

K = 1.400

DC = 2.5475

XR = 1.1467

BR = 1.446373

TR = 85.21

CR = 1.1381

QR = 0.2425E 02

THETA	S2	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8924	1.1009	0.3018	0.8924	1.1009	0.3412			
5	0.9956	0.8842	1.0768	0.3006	0.9010	1.1241	0.3029	2.4315	2.4758	16.2014
10	1.0246	0.8764	1.0522	0.2992	0.9101	1.1480	0.3040	2.0476	2.1211	5.5112
15	1.0790	0.8690	1.0272	0.2974	0.9198	1.1709	0.3053	1.8524	1.9507	2.9024
20	1.1559	0.8620	1.0017	0.2953	0.9302	1.1935	0.3069	1.7244	1.8449	1.8365
25	1.2536	0.8553	0.9757	0.2928	0.9413	1.2158	0.3093	1.6299	1.7707	1.2905
30	1.3722	0.8490	0.9493	0.2899	0.9532	1.2379	0.3128	1.5548	1.7146	0.9732
35	1.5136	0.8429	0.9224	0.2864	0.9662	1.2600	0.3183	1.4921	1.6699	0.7748
40	1.6832	0.8371	0.8951	0.2825	0.9804	1.2821	0.3269	1.4375	1.6326	0.6462
45	1.8926	0.8317	0.8673	0.2781	0.9944	1.3046	0.3409	1.3880	1.6001	0.5641
50	2.1680	0.8264	0.8391	0.2732	1.0148	1.3279	0.3650	1.3415	1.5705	0.5190
55	2.5806	0.8214	0.8105	0.2678	1.0370	1.3530	0.4115	1.2954	1.5418	0.5146
60	3.1120	0.8167	0.7815	0.2618	1.0666	1.3823	0.5292	1.2462	1.5107	0.5944
65	0.7092	0.8122	0.7520	0.2554						
70	0.7709	0.8080	0.7222	0.2484						
75	0.8292	0.8039	0.6920	0.2409						
80	0.8833	0.8001	0.6615	0.2330						
85	0.9323	0.7965	0.6306	0.2245						
90	0.9754	0.7931	0.5993	0.2156						
95	1.0119	0.7899	0.5678	0.2062						
100	1.0409	0.7869	0.5359	0.1964						
105	1.0618	0.7841	0.5038	0.1862						
110	1.0738	0.7815	0.4714	0.1756						
115	1.0762	0.7791	0.4388	0.1647						
120	1.0684	0.7769	0.4059	0.1534						
125	1.0498	0.7748	0.3729	0.1418						
130	1.0197	0.7730	0.3396	0.1298						
135	0.9778	0.7713	0.3061	0.1176						
140	0.9234	0.7698	0.2725	0.1052						
145	0.8561	0.7685	0.2388	0.0925						
150	0.7754	0.7674	0.2049	0.0797						
155	0.6815	0.7664	0.1709	0.0666						
160	0.5736	0.7656	0.1368	0.0535						
165	0.4516	0.7650	0.1027	0.0402						
170	0.3154	0.7646	0.0685	0.0269						
175	0.1649	0.7643	0.0343	0.0134						
180	0.	0.7643	0.	0.						

GAMMA = 0.

ALPHA = 9.000

K = 1.600

DC = 2.6050

XR = 1.1418

BR = 1.408786

TR = 56.99

CR = 0.9936

QR = 0.1935E 02

THETA	S2	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8945	1.0826	0.2983	0.8945	1.0826	0.3377			
5	0.9979	0.8855	1.0584	0.2959	0.9040	1.1065	0.3009	2.3515	2.3944	15.1594
10	1.0328	0.8771	1.0338	0.2935	0.9142	1.1301	0.3037	1.9802	2.0513	5.1678
15	1.0968	0.8691	1.0089	0.2910	0.9251	1.1535	0.3073	1.7904	1.8855	2.7344
20	1.1873	0.8615	0.9835	0.2883	0.9368	1.1766	0.3119	1.6652	1.7819	1.7432
25	1.3040	0.8543	0.9577	0.2852	0.9495	1.1998	0.3183	1.5721	1.7086	1.2381
30	1.4497	0.8475	0.9315	0.2818	0.9636	1.2230	0.3275	1.4972	1.6525	0.9481
35	1.6322	0.8410	0.9049	0.2780	0.9792	1.2466	0.3416	1.4336	1.6068	0.7719
40	1.8698	0.8349	0.8779	0.2739	0.9971	1.2710	0.3643	1.3769	1.5676	0.6666
45	2.2092	0.8290	0.8505	0.2692	1.0183	1.2970	0.4050	1.3234	1.5317	0.6176
50	2.6855	0.8235	0.8226	0.2642	1.0455	1.3285	0.4943	1.2691	1.4959	0.6423
55	4.8686	0.8182	0.7944	0.2587	1.0889	1.3668	0.8738	1.2027	1.4517	0.9745
60	0.6852	0.8132	0.7658	0.2527						
65	0.7309	0.8085	0.7368	0.2462						
70	0.7939	0.8040	0.7075	0.2393						
75	0.8533	0.7997	0.6778	0.2319						
80	0.9084	0.7957	0.6478	0.2241						
85	0.9582	0.7919	0.6174	0.2158						
90	1.0019	0.7884	0.5868	0.2071						
95	1.0388	0.7850	0.5558	0.1980						
100	1.0681	0.7819	0.5246	0.1885						
105	1.0890	0.7790	0.4931	0.1787						
110	1.1009	0.7763	0.4613	0.1684						
115	1.1029	0.7738	0.4294	0.1579						
120	1.0946	0.7714	0.3972	0.1470						
125	1.0751	0.7692	0.3648	0.1358						
130	1.0440	0.7674	0.3322	0.1243						
135	1.0008	0.7656	0.2995	0.1126						
140	0.9449	0.7641	0.2666	0.1007						
145	0.8759	0.7627	0.2335	0.0886						
150	0.7934	0.7616	0.2004	0.0762						
155	0.6971	0.7606	0.1672	0.0638						
160	0.5866	0.7597	0.1338	0.0512						
165	0.4618	0.7591	0.1004	0.0385						
170	0.3225	0.7587	0.0670	0.0257						
175	0.1686	0.7584	0.0335	0.0129						
180	0.	0.7583	0.	0.						

GAMMA = 0.

ALPHA = 91000

K = 1.300

DC = 2.6564	XR = 1.1380	BR = 1.378754	TR = 50.55	CR = 0.8825	QR = 0.1610E 02					
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8963	1.0677	0.2970	0.8963	1.0677	0.3363			
5	1.0004	0.8865	1.0433	0.2993	0.9067	1.0919	0.3012	2.2834	2.3250	14.2972
10	1.0419	0.8774	1.0186	0.2899	0.9178	1.1159	0.3062	1.9219	1.9910	4.8875
15	1.1167	0.8688	0.9936	0.2865	0.9299	1.1398	0.3125	1.7369	1.8294	2.6000
20	1.2230	0.8608	0.9683	0.2830	0.9432	1.1638	0.3210	1.6139	1.7274	1.6717
25	1.3631	0.8531	0.9426	0.2794	0.9578	1.1880	0.3329	1.5214	1.6545	1.2025
30	1.5456	0.8469	0.9165	0.2756	0.9743	1.2128	0.3508	1.4460	1.5978	0.9389
35	1.7917	0.8390	0.8901	0.2714	0.9933	1.2387	0.3799	1.3805	1.5502	0.7888
40	2.1609	0.8325	0.8633	0.2669	1.0164	1.2668	0.4331	1.3198	1.5074	0.7216
45	2.6895	0.8264	0.8362	0.2621	1.0471	1.2999	0.5607	1.2578	1.4846	0.7647
50	0.5456	0.8205	0.8085	0.2568						
55	0.6157	0.8150	0.7807	0.2512						
60	0.6848	0.8098	0.7525	0.2451						
65	0.7615	0.8048	0.7239	0.2387						
70	0.8156	0.8001	0.6949	0.2318						
75	0.8760	0.7957	0.6657	0.2245						
80	0.9319	0.7915	0.6381	0.2167						
85	0.9828	0.7878	0.6082	0.2088						
90	1.0266	0.7839	0.5768	0.2001						
95	1.0638	0.7804	0.5456	0.1912						
100	1.0933	0.7772	0.5149	0.1820						
105	1.1142	0.7741	0.4839	0.1723						
110	1.1258	0.7713	0.4527	0.1624						
115	1.1276	0.7687	0.4213	0.1522						
120	1.1185	0.7663	0.3897	0.1416						
125	1.0989	0.7641	0.3579	0.1308						
130	1.0669	0.7621	0.3259	0.1197						
135	1.0219	0.7603	0.2937	0.1084						
140	0.9646	0.7587	0.2615	0.0969						
145	0.8939	0.7573	0.2291	0.0852						
150	0.8096	0.7561	0.1965	0.0733						
155	0.7112	0.7550	0.1639	0.0613						
160	0.6985	0.7542	0.1312	0.0492						
165	0.4711	0.7535	0.0985	0.0370						
170	0.3290	0.7531	0.0657	0.0247						
175	0.1720	0.7528	0.0328	0.0124						
180	0.	0.7527	0.	0.						

GAMMA = 0.

ALPHA = 91000

K = 2.000

DC = 2.7032	XR = 1.1349	BR = 1.354195	TR = 45.50	CR = 0.7942	QR = 0.1380E 02					
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8978	1.0553	0.2973	0.8978	1.0553	0.3366			
5	1.0031	0.8873	1.0306	0.2922	0.9090	1.0798	0.3023	2.2237	2.2643	13.5709
10	1.0517	0.8776	1.0058	0.2876	0.9213	1.1043	0.3107	1.8717	1.9389	4.6528
15	1.1386	0.8688	0.9807	0.2833	0.9346	1.1290	0.3204	1.6900	1.7801	2.4908
20	1.2634	0.8599	0.9553	0.2791	0.9495	1.1539	0.3328	1.5684	1.6793	1.6173
25	1.4329	0.8518	0.9297	0.2749	0.9662	1.1796	0.3536	1.4760	1.6061	1.1814
30	1.6671	0.8442	0.9037	0.2706	0.9856	1.2065	0.3851	1.3993	1.5479	0.9461
35	2.0226	0.8370	0.8774	0.2661	1.0093	1.2359	0.4425	1.3305	1.4975	0.8338
40	2.7199	0.8302	0.8508	0.2613	1.0410	1.2706	0.5796	1.2621	1.4483	0.8566
45	0.4898	0.8237	0.8238	0.2562						
50	0.5815	0.8176	0.7965	0.2507						
55	0.6329	0.8119	0.7689	0.2450						
60	0.7030	0.8064	0.7409	0.2388						
65	0.7711	0.8013	0.7126	0.2323						
70	0.8362	0.7964	0.6840	0.2254						
75	0.8974	0.7918	0.6551	0.2181						
80	0.9540	0.7875	0.6259	0.2105						
85	1.0050	0.7834	0.5964	0.2025						
90	1.0497	0.7796	0.5667	0.1941						
95	1.0872	0.7760	0.5366	0.1854						
100	1.1168	0.7726	0.5064	0.1763						
105	1.1376	0.7695	0.4759	0.1669						
110	1.1490	0.7666	0.4451	0.1572						
115	1.1503	0.7639	0.4142	0.1473						
120	1.1408	0.7614	0.3831	0.1370						
125	1.1198	0.7592	0.3518	0.1265						
130	1.0868	0.7571	0.3203	0.1158						
135	1.0413	0.7552	0.2887	0.1048						
140	0.9827	0.7536	0.2570	0.0937						
145	0.9106	0.7521	0.2251	0.0823						
150	0.8246	0.7509	0.1932	0.0709						
155	0.7242	0.7498	0.1611	0.0593						
160	0.6093	0.7490	0.1290	0.0475						
165	0.4796	0.7483	0.0968	0.0357						
170	0.3349	0.7478	0.0645	0.0239						
175	0.1751	0.7475	0.0323	0.0119						
180	0.	0.7474	0.	0.						

GAMMA=0. ALPHA= 9.000 K= 2.20					
DC= 2.7461		XR= 1.13244		BR= 1.33373	
TR=41.3826		CR= 0.72226		QR=12.07355	
THETA	ST	X1	B1	S1	
0	1.0000	0.8991	1.0448	0.2987	
5	1.0060	0.8879	1.0198	0.2921	
10	1.0627	0.8775	0.9947	0.2864	
15	1.1628	0.8679	0.9695	0.2811	
20	1.3093	0.8588	0.9441	0.2762	
25	1.5165	0.8504	0.9185	0.2714	
30	1.8284	0.8424	0.8925	0.2666	
35	2.4037	0.8349	0.8663	0.2616	
40	4.8065	0.8278	0.8398	0.2565	
45	0.5037	0.8211	0.8130	0.2512	
50	0.5767	0.8148	0.7859	0.2456	
55	0.6494	0.8088	0.7585	0.2397	
60	0.7206	0.8031	0.7307	0.2334	
65	0.7897	0.7978	0.7027	0.2269	
70	0.8557	0.7928	0.6744	0.2199	
75	0.9177	0.7880	0.6458	0.2127	
80	0.9749	0.7836	0.6169	0.2051	
85	1.0264	0.7794	0.5878	0.1972	
90	1.0714	0.7754	0.5584	0.1889	
95	1.1091	0.7717	0.5287	0.1803	
100	1.1388	0.7683	0.4989	0.1714	
105	1.1595	0.7651	0.4688	0.1622	
110	1.1707	0.7621	0.4385	0.1528	
115	1.1715	0.7593	0.4080	0.1430	
120	1.1614	0.7568	0.3773	0.1330	
125	1.1398	0.7545	0.3464	0.1228	
130	1.1059	0.7523	0.3154	0.1123	
135	1.0593	0.7504	0.2843	0.1017	
140	0.9994	0.7488	0.2530	0.0908	
145	0.9259	0.7473	0.2216	0.0798	
150	0.8383	0.7460	0.1902	0.0687	
155	0.7362	0.7449	0.1586	0.0574	
160	0.6193	0.7440	0.1270	0.0461	
165	0.4875	0.7433	0.0953	0.0346	
170	0.3404	0.7428	0.0635	0.0231	
175	0.1779	0.7425	0.0318	0.0116	
180	0.	0.7425	0.	0.	

GAMMA=0. ALPHA= 9.000 K= 2.60					
DC= 2.8231		XR= 1.12858		BR= 1.30156	
TR=35.0618		CR= 0.61194		QR= 9.67206	
THETA	ST	X1	B1	S1	
0	1.0000	0.9012	1.0279	0.3042	
5	1.0124	0.8886	1.0022	0.2942	
10	1.0867	0.8771	0.9766	0.2859	
15	1.2185	0.8665	0.9511	0.2788	
20	1.4214	0.8566	0.9255	0.2723	
25	1.7480	0.8474	0.8997	0.2663	
30	2.4245	0.8387	0.8738	0.2605	
35	0.3810	0.8306	0.8477	0.2548	
40	0.4550	0.8230	0.8213	0.2491	
45	0.5302	0.8159	0.7947	0.2432	
50	0.6056	0.8091	0.7679	0.2372	
55	0.6805	0.8028	0.7408	0.2310	
60	0.7537	0.7968	0.7135	0.2246	
65	0.8245	0.7912	0.6859	0.2179	
70	0.8920	0.7859	0.6580	0.2109	
75	0.9553	0.7809	0.6299	0.2037	
80	1.0136	0.7762	0.6016	0.1962	
85	1.0659	0.7718	0.5730	0.1883	
90	1.1114	0.7676	0.5442	0.1803	
95	1.1494	0.7637	0.5152	0.1719	
100	1.1790	0.7601	0.4860	0.1633	
105	1.1995	0.7568	0.4566	0.1544	
110	1.2101	0.7537	0.4270	0.1452	
115	1.2101	0.7508	0.3972	0.1359	
120	1.1989	0.7481	0.3673	0.1263	
125	1.1759	0.7457	0.3372	0.1165	
130	1.1403	0.7435	0.3070	0.1065	
135	1.0918	0.7415	0.2767	0.0964	
140	1.0297	0.7398	0.2462	0.0861	
145	0.9536	0.7382	0.2157	0.0756	
150	0.8631	0.7369	0.1850	0.0651	
155	0.7577	0.7358	0.1543	0.0544	
160	0.6373	0.7348	0.1235	0.0436	
165	0.5015	0.7341	0.0927	0.0328	
170	0.3501	0.7336	0.0618	0.0219	
175	0.1830	0.7333	0.0309	0.0109	
180	0.	0.7332	0.	0.	

GAMMA=0. ALPHA= 9.000 K= 3.00					
DC= 2.8909		XR= 1.12574		BR= 1.27740	
TR=30.4334		CR= 0.53116		QR= 8.07686	
THETA	ST	X1	B1	S1	
0	1.0000	0.9029	1.0150	0.3121	
5	1.0196	0.8890	0.9885	0.2983	
10	1.1148	0.8763	0.9623	0.2873	
15	1.2857	0.8648	0.9363	0.2781	
20	1.5731	0.8541	0.9104	0.2702	
25	2.1698	0.8442	0.8845	0.2629	
30	0.3265	0.8350	0.8585	0.2562	
35	0.4011	0.8264	0.8324	0.2497	
40	0.4776	0.8184	0.8061	0.2434	
45	0.5551	0.8108	0.7797	0.2371	
50	0.6326	0.8037	0.7531	0.2307	
55	0.7093	0.7971	0.7262	0.2242	
60	0.7843	0.7908	0.6992	0.2176	
65	0.8566	0.7849	0.6719	0.2107	
70	0.9254	0.7794	0.6445	0.2037	
75	0.9897	0.7742	0.6168	0.1964	
80	1.0487	0.7693	0.5889	0.1889	
85	1.1016	0.7647	0.5608	0.1812	
90	1.1475	0.7604	0.5325	0.1733	
95	1.1856	0.7564	0.5040	0.1651	
100	1.2151	0.7526	0.4753	0.1566	
105	1.2352	0.7491	0.4465	0.1480	
110	1.2453	0.7459	0.4175	0.1391	
115	1.2445	0.7429	0.3883	0.1301	
120	1.2322	0.7402	0.3590	0.1208	
125	1.2079	0.7377	0.3295	0.1114	
130	1.1708	0.7354	0.3000	0.1018	
135	1.1204	0.7334	0.2703	0.0921	
140	1.0563	0.7316	0.2405	0.0822	
145	0.9779	0.7300	0.2107	0.0722	
150	0.8848	0.7286	0.1807	0.0621	
155	0.7766	0.7274	0.1507	0.0519	
160	0.6531	0.7265	0.1206	0.0416	
165	0.5139	0.7257	0.0905	0.0313	
170	0.3587	0.7252	0.0604	0.0209	
175	0.1875	0.7249	0.0302	0.0104	
180	0.	0.7248	0.	0.	

GAMMA=0. ALPHA= 9.000 K= 4.00					
DC= 3.0335		XR= 1.12108		BR= 1.23706	
TR=22.9063		CR= 0.39979		QR= 5.73391	
THETA	ST	X1	B1	S1	
0	1.0000	0.9059	0.9930	0.3376	
5	1.0412	0.8887	0.9640	0.3129	
10	1.2021	0.8735	0.9362	0.2946	
15	1.5308	0.8599	0.9090	0.2803	
20	2.5713	0.8476	0.8823	0.2685	
25	0.2899	0.8363	0.8559	0.2584	
30	0.3671	0.8259	0.8296	0.2494	
35	0.4474	0.8163	0.8034	0.2412	
40	0.5291	0.8073	0.7771	0.2335	
45	0.6114	0.7990	0.7509	0.2261	
50	0.6932	0.7912	0.7246	0.2189	
55	0.7737	0.7839	0.6982	0.2118	
60	0.8520	0.7771	0.6716	0.2047	
65	0.9271	0.7707	0.6450	0.1975	
70	0.9982	0.7647	0.6182	0.1903	
75	1.0644	0.7591	0.5912	0.1830	
80	1.1248	0.7538	0.5642	0.1755	
85	1.1786	0.7489	0.5369	0.1679	
90	1.2249	0.7443	0.5096	0.1602	
95	1.2629	0.7400	0.4821	0.1523	
100	1.2918	0.7360	0.4545	0.1442	
105	1.3109	0.7323	0.4287	0.1360	
110	1.3194	0.7289	0.3988	0.1277	
115	1.3166	0.7257	0.3708	0.1192	
120	1.3019	0.7228	0.3427	0.1106	
125	1.2746	0.7202	0.3145	0.1018	
130	1.2341	0.7178	0.2862	0.0930	
135	1.1798	0.7156	0.2579	0.0840	
140	1.1113	0.7137	0.2294	0.0749	
145	1.0281	0.7120	0.2009	0.0657	
150	0.9296	0.7105	0.1723	0.0565	
155	0.8155	0.7093	0.1437	0.0472	
160	0.6855	0.7083	0.1150	0.0378	
165	0.5391	0.7075	0.0863	0.0284	
170	0.3763	0.7070	0.0575	0.0190	
175	0.1966	0.7067	0.0288	0.0095	
180	0.	0.7065	0.	0.	

GAMMA=0. ALPHA= 9.000 K= 6.00

DC= 3.2522 XR= 1.11636 BR= 1.19527
TR=15.3465 CR= 0.26785 QR= 3.64308

THETA	ST	X1	B1	S1
0	1.0000	0.9091	0.9694	0.4003
5	1.1001	0.8859	0.9353	0.3479
10	1.4958	0.8664	0.9041	0.3138
15	0.1844	0.8496	0.8745	0.2893
20	0.2655	0.8347	0.8462	0.2706
25	0.3504	0.8213	0.8186	0.2555
30	0.4378	0.8092	0.7916	0.2429
35	0.5267	0.7981	0.7650	0.2319
40	0.6161	0.7879	0.7387	0.2220
45	0.7051	0.7785	0.7125	0.2129
50	0.7929	0.7697	0.6865	0.2044
55	0.8785	0.7616	0.6605	0.1963
60	0.9610	0.7541	0.6346	0.1885
65	1.0396	0.7470	0.6087	0.1808
70	1.1134	0.7404	0.5828	0.1733
75	1.1815	0.7343	0.5568	0.1658
80	1.2430	0.7286	0.5308	0.1584
85	1.2972	0.7232	0.5047	0.1509
90	1.3431	0.7183	0.4786	0.1434
95	1.3801	0.7136	0.4524	0.1359
100	1.4073	0.7093	0.4262	0.1283
105	1.4240	0.7054	0.3999	0.1206
110	1.4295	0.7017	0.3735	0.1129
115	1.4231	0.6983	0.3471	0.1052
120	1.4041	0.6952	0.3206	0.0974
125	1.3719	0.6924	0.2941	0.0895
130	1.3259	0.6898	0.2675	0.0815
135	1.2656	0.6875	0.2409	0.0736
140	1.1904	0.6855	0.2143	0.0655
145	1.0999	0.6837	0.1876	0.0574
150	0.9934	0.6821	0.1608	0.0493
155	0.8707	0.6808	0.1341	0.0411
160	0.7313	0.6798	0.1073	0.0329
165	0.5749	0.6790	0.0805	0.0247
170	0.4011	0.6784	0.0537	0.0165
175	0.2095	0.6780	0.0268	0.0082
180	0.	0.6779	0.	0.

GAMMA=0. ALPHA= 9.000 K= 8.00

DC= 3.4235 XR= 1.11398 BR= 1.17378
TR=11.5446 CR= 0.20149 QR= 2.67438

THETA	ST	X1	B1	S1
0	1.0000	0.9109	0.9570	0.4688
5	1.1822	0.8821	0.9178	0.3827
10	2.3256	0.8590	0.8833	0.3322
15	0.2196	0.8396	0.8517	0.2984
20	0.3102	0.8227	0.8219	0.2738
25	0.4033	0.8079	0.7934	0.2547
30	0.4979	0.7945	0.7658	0.2392
35	0.5930	0.7824	0.7388	0.2261
40	0.6878	0.7714	0.7124	0.2146
45	0.7815	0.7613	0.6862	0.2044
50	0.8732	0.7519	0.6605	0.1950
55	0.9621	0.7433	0.6347	0.1862
60	1.0472	0.7352	0.6091	0.1779
65	1.1277	0.7278	0.5837	0.1699
70	1.2027	0.7208	0.5583	0.1621
75	1.2715	0.7144	0.5330	0.1545
80	1.3332	0.7084	0.5077	0.1471
85	1.3869	0.7028	0.4824	0.1397
90	1.4318	0.6976	0.4572	0.1324
95	1.4673	0.6928	0.4319	0.1251
100	1.4926	0.6883	0.4066	0.1178
105	1.5069	0.6841	0.3813	0.1106
110	1.5095	0.6803	0.3560	0.1033
115	1.4999	0.6768	0.3307	0.0960
120	1.4773	0.6736	0.3053	0.0887
125	1.4411	0.6706	0.2800	0.0814
130	1.3909	0.6680	0.2546	0.0741
135	1.3259	0.6656	0.2292	0.0667
140	1.2457	0.6635	0.2037	0.0594
145	1.1498	0.6616	0.1783	0.0520
150	1.0376	0.6601	0.1529	0.0446
155	0.9088	0.6587	0.1274	0.0372
160	0.7629	0.6576	0.1019	0.0298
165	0.5994	0.6568	0.0765	0.0223
170	0.4180	0.6562	0.0510	0.0149
175	0.2183	0.6558	0.0255	0.0074
180	0.	0.6557	0.	0.

GAMMA=0. ALPHA= 9.000 K= 10.00

DC= 3.5679 XR= 1.11254 BR= 1.16069
TR= 9.12541 CR= 0.16151 QR= 2.11399

THETA	ST	X1	B1	S1
0	1.0000	0.9120	0.9493	0.5401
5	1.2966	0.8779	0.9051	0.4150
10	0.1560	0.8517	0.8678	0.3483
15	0.2519	0.8302	0.8344	0.3061
20	0.3502	0.8119	0.8035	0.2765
25	0.4499	0.7958	0.7742	0.2542
30	0.5501	0.7816	0.7461	0.2364
35	0.6501	0.7688	0.7188	0.2217
40	0.7490	0.7571	0.6922	0.2091
45	0.8461	0.7465	0.6660	0.1979
50	0.9406	0.7367	0.6403	0.1879
55	1.0316	0.7276	0.6148	0.1786
60	1.1184	0.7193	0.5896	0.1699
65	1.1999	0.7116	0.5645	0.1617
70	1.2756	0.7044	0.5396	0.1538
75	1.3444	0.6977	0.5147	0.1461
80	1.4056	0.6915	0.4900	0.1387
85	1.4585	0.6857	0.4653	0.1314
90	1.5022	0.6804	0.4407	0.1242
95	1.5361	0.6754	0.4161	0.1171
100	1.5593	0.6708	0.3916	0.1101
105	1.5713	0.6665	0.3670	0.1031
110	1.5714	0.6626	0.3425	0.0962
115	1.5588	0.6590	0.3180	0.0893
120	1.5331	0.6557	0.2936	0.0824
125	1.4936	0.6527	0.2691	0.0755
130	1.4398	0.6500	0.2446	0.0686
135	1.3710	0.6476	0.2201	0.0617
140	1.2869	0.6454	0.1957	0.0549
145	1.1868	0.6435	0.1712	0.0480
150	1.0702	0.6419	0.1468	0.0411
155	0.9368	0.6405	0.1223	0.0343
160	0.7860	0.6394	0.0978	0.0274
165	0.6173	0.6386	0.0734	0.0206
170	0.4304	0.6379	0.0489	0.0137
175	0.2248	0.6376	0.0245	0.0069
180	0.	0.6374	0.	0.

GAMMA=0. ALPHA= 9.000 K= 20.00

DC= 4.1025 XR= 1.10963 BR= 1.13403
TR= 3.6475 CR= 0.06366 QR= 1.03398

THETA	ST	X1	B1	S1
0	1.0000	0.9143	0.9334	0.9065
5	0.1202	0.8578	0.8573	0.5370
10	0.2536	0.8207	0.8197	0.4004
15	0.3816	0.7925	0.7803	0.3280
20	0.5052	0.7696	0.7456	0.2820
25	0.6256	0.7502	0.7139	0.2499
30	0.7427	0.7334	0.6843	0.2257
35	0.8566	0.7185	0.6562	0.2066
40	0.9668	0.7052	0.6292	0.1908
45	1.0726	0.6932	0.6032	0.1774
50	1.1735	0.6823	0.5778	0.1657
55	1.2687	0.6723	0.5531	0.1553
60	1.3576	0.6631	0.5288	0.1458
65	1.4394	0.6547	0.5049	0.1371
70	1.5134	0.6469	0.4814	0.1290
75	1.5790	0.6396	0.4581	0.1214
80	1.6355	0.6330	0.4351	0.1141
85	1.6823	0.6268	0.4123	0.1072
90	1.7187	0.6211	0.3898	0.1005
95	1.7443	0.6158	0.3673	0.0941
100	1.7583	0.6109	0.3451	0.0878
105	1.7602	0.6064	0.3229	0.0817
110	1.7497	0.6023	0.3009	0.0757
115	1.7260	0.5985	0.2790	0.0699
120	1.6888	0.5950	0.2572	0.0641
125	1.6375	0.5919	0.2355	0.0585
130	1.5717	0.5890	0.2138	0.0529
135	1.4909	0.5865	0.1922	0.0475
140	1.3945	0.5842	0.1707	0.0420
145	1.2821	0.5823	0.1493	0.0367
150	1.1532	0.5806	0.1279	0.0313
155	1.0071	0.5791	0.1065	0.0261
160	0.8435	0.5780	0.0852	0.0208
165	0.6615	0.5771	0.0638	0.0156
170	0.4607	0.5764	0.0426	0.0104
175	0.2405	0.5761	0.0213	0.0052
180	0.	0.5759	0.	0.

GAMMA = 0.

ALPHA = 10.000

K = 0.200

DC = 1.7711

X0 = 1.6884

B0 = 2.400881

V2 = -0.2597E 01

THETA	SY	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8679	1.5511	0.5681	0.8679	1.5511	0.6445			
5	0.9877	0.8658	1.5188	0.5700	0.8699	1.5827	0.6417	3.8800	3.9507	41.2297
10	0.9986	0.8638	1.4856	0.5709	0.8720	1.6135	0.6383	3.2688	3.3860	13.9620
15	1.0244	0.8619	1.4517	0.5708	0.8741	1.6434	0.6342	2.9600	3.1165	7.2669
20	1.0621	0.8600	1.4170	0.5697	0.8762	1.6726	0.6295	2.7608	2.9521	4.5058
25	1.1095	0.8581	1.3816	0.5675	0.8784	1.7010	0.6242	2.6171	2.8400	3.0729
30	1.1653	0.8562	1.3453	0.5642	0.8805	1.7286	0.6184	2.5066	2.7585	2.2245
35	1.2280	0.8544	1.3084	0.5597	0.8827	1.7553	0.6122	2.4181	2.6967	1.6774
40	1.2966	0.8527	1.2707	0.5542	0.8849	1.7813	0.6055	2.3450	2.6485	1.3026
45	1.3699	0.8510	1.2323	0.5475	0.8871	1.8065	0.5985	2.2833	2.6099	1.0344
50	1.4471	0.8493	1.1931	0.5396	0.8893	1.8309	0.5911	2.2303	2.5787	0.8357
55	1.5271	0.8477	1.1533	0.5306	0.8915	1.8546	0.5835	2.1843	2.5530	0.6846
60	1.6090	0.8461	1.1129	0.5204	0.8937	1.8775	0.5757	2.1438	2.5316	0.5672
65	1.6920	0.8446	1.0717	0.5091	0.8959	1.8996	0.5678	2.1079	2.5137	0.4743
70	1.7750	0.8432	1.0300	0.4966	0.8981	1.9210	0.5598	2.0759	2.4986	0.3997
75	1.8574	0.8418	0.9876	0.4830	0.9003	1.9417	0.5517	2.0471	2.4857	0.3392
80	1.9383	0.8404	0.9446	0.4683	0.9025	1.9616	0.5436	2.0211	2.4747	0.2895
85	2.0169	0.8391	0.9011	0.4525	0.9047	1.9808	0.5356	1.9975	2.4653	0.2484
90	2.0925	0.8379	0.8570	0.4356	0.9069	1.9994	0.5277	1.9760	2.4572	0.2141
95	2.1644	0.8367	0.8123	0.4177	0.9090	2.0172	0.5200	1.9563	2.4502	0.1853
100	2.2319	0.8356	0.7672	0.3988	0.9111	2.0344	0.5124	1.9382	2.4442	0.1611
105	2.2945	0.8346	0.7216	0.3789	0.9132	2.0510	0.5051	1.9216	2.4389	0.1406
110	2.3517	0.8336	0.6756	0.3581	0.9153	2.0669	0.4981	1.9064	2.4343	0.1231
115	2.4028	0.8327	0.6291	0.3364	0.9174	2.0821	0.4914	1.8922	2.4303	0.1083
120	2.4476	0.8318	0.5823	0.3139	0.9194	2.0968	0.4850	1.8792	2.4268	0.0956
125	2.4856	0.8310	0.5351	0.2906	0.9215	2.1109	0.4791	1.8670	2.4237	0.0848
130	2.5166	0.8303	0.4875	0.2666	0.9234	2.1244	0.4735	1.8558	2.4210	0.0757
135	2.5405	0.8297	0.4396	0.2419	0.9254	2.1374	0.4684	1.8453	2.4187	0.0679
140	2.5570	0.8291	0.3915	0.2166	0.9273	2.1498	0.4638	1.8356	2.4166	0.0613
145	2.5661	0.8286	0.3431	0.1907	0.9292	2.1617	0.4596	1.8265	2.4148	0.0558
150	2.5678	0.8281	0.2945	0.1644	0.9311	2.1731	0.4560	1.8181	2.4132	0.0512
155	2.5624	0.8277	0.2457	0.1376	0.9329	2.1840	0.4529	1.8102	2.4118	0.0475
160	2.5500	0.8274	0.1968	0.1105	0.9347	2.1945	0.4503	1.8028	2.4105	0.0445
165	2.5309	0.8272	0.1477	0.0831	0.9364	2.2044	0.4483	1.7959	2.4094	0.0423
170	2.5056	0.8270	0.0985	0.0555	0.9381	2.2140	0.4469	1.7894	2.4084	0.0407
175	2.4747	0.8269	0.0493	0.0278	0.9398	2.2231	0.4460	1.7834	2.4076	0.0398
180	2.4387	0.8269	0.	0.	0.9414	2.2318	0.4457	1.7777	2.4068	0.0395

GAMMA = 0.

ALPHA = 10.000

K = 0.300

DC = 1.9106

X0 = 1.5000

B0 = 2.164589

V2 = -0.2704E 01

THETA	SY	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8738	1.4307	0.4759	0.8738	1.4307	0.5321			
5	0.9882	0.8712	1.4012	0.4783	0.8765	1.4593	0.5288	3.5059	3.5698	33.6644
10	1.0006	0.8686	1.3711	0.4799	0.8792	1.4872	0.5250	2.9537	3.0596	11.4003
15	1.0270	0.8661	1.3402	0.4806	0.8820	1.5143	0.5205	2.6747	2.8161	5.9338
20	1.0660	0.8636	1.3085	0.4804	0.8848	1.5406	0.5154	2.4946	2.6676	3.6796
25	1.1149	0.8612	1.2761	0.4793	0.8876	1.5662	0.5099	2.3648	2.5662	2.5098
30	1.1722	0.8588	1.2429	0.4771	0.8905	1.5910	0.5038	2.2649	2.4926	1.8174
35	1.2364	0.8565	1.2091	0.4740	0.8934	1.6150	0.4973	2.1849	2.4367	1.3710
40	1.3064	0.8543	1.1745	0.4699	0.8963	1.6383	0.4905	2.1188	2.3930	1.0654
45	1.3811	0.8521	1.1393	0.4647	0.8993	1.6608	0.4833	2.0629	2.3582	0.8467
50	1.4594	0.8500	1.1033	0.4585	0.9023	1.6826	0.4759	2.0150	2.3298	0.6848
55	1.5403	0.8480	1.0667	0.4513	0.9053	1.7036	0.4682	1.9733	2.3065	0.5618
60	1.6227	0.8460	1.0295	0.4431	0.9083	1.7239	0.4604	1.9365	2.2871	0.4662
65	1.7058	0.8441	0.9916	0.4338	0.9113	1.7435	0.4524	1.9040	2.2708	0.3906
70	1.7885	0.8423	0.9531	0.4236	0.9143	1.7623	0.4444	1.8748	2.2570	0.3300
75	1.8700	0.8405	0.9141	0.4123	0.9174	1.7805	0.4363	1.8486	2.2453	0.2808
80	1.9494	0.8389	0.8744	0.4000	0.9204	1.7980	0.4283	1.8248	2.2353	0.2404
85	2.0259	0.8373	0.8342	0.3867	0.9235	1.8148	0.4203	1.8032	2.2266	0.2070
90	2.0986	0.8357	0.7935	0.3725	0.9265	1.8309	0.4125	1.7835	2.2191	0.1791
95	2.1669	0.8343	0.7523	0.3574	0.9295	1.8464	0.4049	1.7654	2.2127	0.1557
100	2.2301	0.8329	0.7106	0.3414	0.9326	1.8613	0.3974	1.7488	2.2070	0.1360
105	2.2876	0.8316	0.6684	0.3245	0.9356	1.8756	0.3902	1.7335	2.2021	0.1193
110	2.3388	0.8304	0.6259	0.3069	0.9386	1.8892	0.3833	1.7193	2.1978	0.1051
115	2.3832	0.8293	0.5829	0.2884	0.9416	1.9023	0.3766	1.7062	2.1941	0.0930
120	2.4204	0.8282	0.5395	0.2692	0.9445	1.9148	0.3704	1.6940	2.1908	0.0827
125	2.4531	0.8273	0.4958	0.2493	0.9474	1.9268	0.3645	1.6827	2.1878	0.0739
130	2.4720	0.8264	0.4518	0.2287	0.9504	1.9383	0.3591	1.6721	2.1853	0.0664
135	2.4859	0.8256	0.4074	0.2076	0.9532	1.9492	0.3541	1.6622	2.1830	0.0600
140	2.4918	0.8248	0.3628	0.1859	0.9561	1.9597	0.3495	1.6530	2.1810	0.0546
145	2.4895	0.8242	0.3180	0.1638	0.9589	1.9697	0.3454	1.6444	2.1792	0.0501
150	2.4793	0.8237	0.2730	0.1412	0.9617	1.9792	0.3419	1.6363	2.1777	0.0464
155	2.4612	0.8232	0.2278	0.1182	0.9644	1.9882	0.3388	1.6288	2.1763	0.0433
160	2.4357	0.8228	0.1824	0.0950	0.9671	1.9969	0.3363	1.6217	2.1750	0.0409
165	2.4031	0.8225	0.1369	0.0714	0.9698	2.0051	0.3343	1.6150	2.1739	0.0390
170	2.3638	0.8223	0.0913	0.0477	0.9724	2.0130	0.3329	1.6087	2.1729	0.0377
175	2.3186	0.8222	0.0457	0.0239	0.9750	2.0205	0.3320	1.6028	2.1720	0.0370
180	2.2664	0.8221	0.	0.	0.9775	2.0275	0.3314	1.5973	2.1713	0.0367

GAMMA = 0. ALPHA = 10.000 K = 0.400

DC = 2.10122 XD = 1.3062 BO = 2.003803 M2 = -0.7098E 00

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8784	1.3543	0.4221	0.8784	1.3543	0.4591			
5	0.9885	0.8753	1.3267	0.4248	0.8817	1.3811	0.4556	9.2625	3.13220	29.1561
10	1.0009	0.8722	1.2984	0.4268	0.8850	1.4072	0.4516	2.7488	2.18473	9.8746
15	1.0287	0.8691	1.2694	0.4279	0.8884	1.4328	0.4470	2.14889	2.16205	5.1408
20	1.0686	0.8662	1.2396	0.4282	0.8918	1.4571	0.4418	2.3215	2.14824	2.1889
25	1.1186	0.8633	1.2091	0.4275	0.8953	1.4809	0.4361	2.12005	2.13881	2.1734
30	1.1770	0.8605	1.1779	0.4260	0.8988	1.5040	0.4300	2.1078	2.13195	1.15773
35	1.2424	0.8577	1.1460	0.4236	0.9024	1.5263	0.4235	2.10330	2.12674	1.1913
40	1.3137	0.8551	1.1134	0.4202	0.9061	1.5479	0.4167	1.9714	2.12267	0.9272
45	1.3896	0.8525	1.0801	0.4160	0.9098	1.5687	0.4095	1.9192	2.11941	0.7984
50	1.4690	0.8501	1.0462	0.4107	0.9135	1.5888	0.4021	1.8744	2.11676	0.6987
55	1.5508	0.8477	1.0116	0.4045	0.9173	1.6082	0.3946	1.8353	2.11457	0.6226
60	1.6339	0.8453	0.9764	0.3974	0.9211	1.6268	0.3867	1.8009	2.11275	0.5610
65	1.7173	0.8431	0.9405	0.3893	0.9249	1.6448	0.3788	1.7702	2.11121	0.5102
70	1.8000	0.8410	0.9041	0.3803	0.9288	1.6621	0.3709	1.7428	2.10991	0.4693
75	1.8810	0.8389	0.8672	0.3703	0.9327	1.6787	0.3629	1.7179	2.10879	0.4357
80	1.9595	0.8370	0.8296	0.3594	0.9367	1.6948	0.3550	1.6954	2.10783	0.4079
85	2.0345	0.8351	0.7916	0.3476	0.9406	1.7109	0.3471	1.6749	2.10700	0.3852
90	2.1053	0.8333	0.7530	0.3350	0.9448	1.7265	0.3394	1.6560	2.10628	0.3673
95	2.1711	0.8317	0.7139	0.3215	0.9486	1.7418	0.3319	1.6387	2.10566	0.3531
100	2.2311	0.8301	0.6744	0.3072	0.9526	1.7519	0.3246	1.6227	2.10511	0.3422
105	2.2847	0.8286	0.6344	0.2921	0.9566	1.7647	0.3175	1.6079	2.10462	0.3348
110	2.3314	0.8272	0.5940	0.2762	0.9606	1.7769	0.3107	1.5942	2.10420	0.3296
115	2.3707	0.8259	0.5533	0.2597	0.9646	1.7888	0.3042	1.5813	2.10382	0.3252
120	2.4022	0.8247	0.5121	0.2424	0.9686	1.7997	0.2981	1.5693	2.10349	0.3213
125	2.4255	0.8235	0.4707	0.2245	0.9726	1.8103	0.2924	1.5581	2.10319	0.3177
130	2.4403	0.8225	0.4289	0.2061	0.9766	1.8204	0.2870	1.5475	2.10293	0.3142
135	2.4466	0.8216	0.3868	0.1871	0.9806	1.8300	0.2821	1.5377	2.10269	0.3107
140	2.4442	0.8208	0.3445	0.1675	0.9846	1.8391	0.2777	1.5284	2.10248	0.3072
145	2.4332	0.8200	0.3019	0.1476	0.9886	1.8478	0.2737	1.5196	2.10229	0.3037
150	2.4138	0.8194	0.2592	0.1272	0.9925	1.8561	0.2702	1.5114	2.10212	0.3002
155	2.3860	0.8189	0.2162	0.1066	0.9964	1.8639	0.2673	1.5038	2.10197	0.2967
160	2.3504	0.8184	0.1732	0.0856	1.0003	1.8713	0.2648	1.4962	2.10184	0.2932
165	2.3073	0.8181	0.1300	0.0644	1.0041	1.8784	0.2629	1.4892	2.10171	0.2897
170	2.2573	0.8179	0.0867	0.0430	1.0080	1.8852	0.2616	1.4825	2.10160	0.2862
175	2.2010	0.8177	0.0434	0.0215	1.0118	1.8914	0.2607	1.4762	2.10150	0.2827
180	2.1394	0.8177	0.	0.	1.0156	1.8974	0.2604	1.4702	2.10141	0.2792

GAMMA = 0. ALPHA = 10.000 K = 0.500

DC = 2.0924 XR = 1.2113 BR = 1.871524 TR = 97.24 CR = 4.5859 QR = 0.3169E 04

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8822	1.3002	0.3866	0.8822	1.3002	0.3866			
5	0.9879	0.8785	1.2739	0.3894	0.8860	1.3258	0.3830	3.0855	3.1417	26.0761
10	0.9992	0.8749	1.2469	0.3915	0.8898	1.3507	0.3788	2.5995	2.6927	8.8303
15	1.0254	0.8714	1.2191	0.3928	0.8938	1.3748	0.3739	2.3537	2.4782	4.5966
20	1.0636	0.8680	1.1906	0.3933	0.8978	1.3981	0.3685	2.1955	2.3477	2.8514
25	1.1115	0.8647	1.1615	0.3930	0.9019	1.4208	0.3624	2.0811	2.2584	1.9465
30	1.1676	0.8615	1.1316	0.3919	0.9061	1.4427	0.3558	1.9930	2.1934	1.4114
35	1.2303	0.8584	1.1010	0.3898	0.9104	1.4638	0.3488	1.9223	2.1440	1.0668
40	1.2984	0.8554	1.0698	0.3869	0.9147	1.4842	0.3413	1.8638	2.1053	0.8313
45	1.3704	0.8525	1.0379	0.3832	0.9191	1.5039	0.3334	1.8142	2.0743	0.6629
50	1.4453	0.8497	1.0054	0.3785	0.9236	1.5229	0.3251	1.7715	2.0490	0.5385
55	1.5216	0.8470	0.9722	0.3729	0.9282	1.5412	0.3166	1.7341	2.0281	0.4440
60	1.5982	0.8443	0.9384	0.3665	0.9328	1.5588	0.3078	1.7011	2.0105	0.3706
65	1.6738	0.8418	0.9041	0.3591	0.9376	1.5757	0.2987	1.6717	1.9957	0.3127
70	1.7474	0.8394	0.8691	0.3509	0.9423	1.5919	0.2895	1.6452	1.9830	0.2662
75	1.8178	0.8371	0.8336	0.3418	0.9472	1.6074	0.2802	1.6211	1.9722	0.2284
80	1.8839	0.8349	0.7975	0.3318	0.9521	1.6223	0.2708	1.5992	1.9627	0.1974
85	1.9466	0.8329	0.7610	0.3210	0.9570	1.6366	0.2613	1.5791	1.9545	0.1716
90	1.9989	0.8309	0.7239	0.3094	0.9620	1.6502	0.2518	1.5606	1.9473	0.1501
95	2.0459	0.8290	0.6864	0.2970	0.9671	1.6632	0.2424	1.5434	1.9410	0.1320
100	2.0846	0.8272	0.6484	0.2838	0.9722	1.6756	0.2329	1.5275	1.9354	0.1166
105	2.1144	0.8256	0.6100	0.2699	0.9774	1.6875	0.2234	1.5126	1.9305	0.1111
110	2.1387	0.8240	0.5712	0.2553	0.9826	1.6988	0.2142	1.4987	1.9261	0.1216
115	2.1583	0.8225	0.5320	0.2400	0.9878	1.7095	0.2056	1.4856	1.9221	0.1080
120	2.1734	0.8212	0.4925	0.2241	0.9931	1.7197	0.2590	1.4733	1.9185	0.0974
125	2.1846	0.8200	0.4526	0.2076	0.9985	1.7294	0.2517	1.4616	1.9153	0.0888
130	2.1924	0.8188	0.4124	0.1905	1.0039	1.7387	0.2452	1.4506	1.9124	0.0818
135	2.1974	0.8178	0.3720	0.1730	1.0094	1.7474	0.2396	1.4401	1.9098	0.0759
140	2.1995	0.8169	0.3313	0.1549	1.0148	1.7557	0.2346	1.4301	1.9074	0.0710
145	2.1986	0.8161	0.2903	0.1365	1.0204	1.7636	0.2302	1.4206	1.9052	0.0670
150	2.1948	0.8154	0.2492	0.1177	1.0260	1.7711	0.2264	1.4114	1.9031	0.0636
155	2.1880	0.8148	0.2080	0.0986	1.0316	1.7782	0.2232	1.4026	1.9013	0.0609
160	2.1787	0.8143	0.1665	0.0792	1.0372	1.7849	0.2206	1.3942	1.8996	0.0588
165	2.1668	0.8139	0.1250	0.0596	1.0430	1.7912	0.2185	1.3860	1.8980	0.0571
170	2.1523	0.8137	0.0834	0.0398	1.0488	1.7972	0.2171	1.3782	1.8965	0.0560
175	2.1206	0.8135	0.0417	0.0199	1.0546	1.8028	0.2162	1.3705	1.8951	0.0553
180	2.1540	0.8134	0.	0.	1.0605	1.8082	0.2159	1.3631	1.8938	0.0551

GAMMA = 0. ALPHA = 10.000 K = 0.600

DC = 2.1586	XR = 1.1876	BR = 1.771958	TR = 172.60	CR = 3.2708	QR = 0.5688E 03					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8853	1.2594	0.3614	0.8853	1.2594	0.3614			
5	0.9886	0.8812	1.2340	0.3643	0.8896	1.2841	0.3579	2.9480	3.0017	23.8041
10	1.0011	0.8771	1.2079	0.3664	0.8940	1.3080	0.3538	2.14836	2.5727	8.0613
15	1.0292	0.8732	1.1810	0.3678	0.8984	1.3313	0.3490	2.2489	2.3679	4.1972
20	1.0696	0.8694	1.1535	0.3684	0.9031	1.3538	0.3437	2.0975	2.2430	2.6050
25	1.1203	0.8657	1.1253	0.3682	0.9078	1.3756	0.3379	1.9881	2.1576	1.7799
30	1.1795	0.8621	1.0964	0.3672	0.9126	1.3967	0.3315	1.9038	2.0953	1.2924
35	1.2459	0.8587	1.0668	0.3655	0.9176	1.4170	0.3247	1.8360	2.0479	0.9788
40	1.3178	0.8553	1.0366	0.3628	0.9226	1.4367	0.3175	1.7798	2.0107	0.7646
45	1.3941	0.8521	1.0058	0.3594	0.9278	1.4556	0.3099	1.7320	1.9808	0.6117
50	1.4733	0.8490	0.9743	0.3551	0.9331	1.4738	0.3020	1.6908	1.9563	0.4988
55	1.5543	0.8460	0.9421	0.3499	0.9385	1.4914	0.2939	1.6546	1.9360	0.4132
60	1.6356	0.8431	0.9094	0.3439	0.9440	1.5082	0.2855	1.6225	1.9188	0.3468
65	1.7161	0.8404	0.8762	0.3371	0.9496	1.5244	0.2769	1.5937	1.9042	0.2944
70	1.7947	0.8378	0.8428	0.3294	0.9554	1.5399	0.2682	1.5677	1.8917	0.2524
75	1.8702	0.8352	0.8079	0.3209	0.9612	1.5548	0.2594	1.5439	1.8808	0.2184
80	1.9414	0.8328	0.7730	0.3116	0.9672	1.5690	0.2506	1.5221	1.8713	0.1905
85	2.0074	0.8305	0.7376	0.3015	0.9733	1.5827	0.2417	1.5020	1.8630	0.1674
90	2.0673	0.8284	0.7017	0.2906	0.9795	1.5957	0.2328	1.4823	1.8556	0.1482
95	2.1199	0.8263	0.6653	0.2790	0.9859	1.6082	0.2241	1.4659	1.8490	0.1320
100	2.1647	0.8244	0.6285	0.2666	0.9924	1.6200	0.2154	1.4495	1.8431	0.1185
105	2.2007	0.8226	0.5913	0.2535	0.9990	1.6314	0.2069	1.4340	1.8378	0.1070
110	2.2274	0.8209	0.5536	0.2398	1.0058	1.6422	0.1985	1.4193	1.8329	0.0972
115	2.2442	0.8193	0.5157	0.2255	1.0127	1.6525	0.1904	1.4053	1.8285	0.0889
120	2.2507	0.8178	0.4773	0.2105	1.0198	1.6623	0.1825	1.3920	1.8244	0.0819
125	2.2466	0.8165	0.4387	0.1950	1.0272	1.6716	0.1749	1.3791	1.8206	0.0760
130	2.2318	0.8153	0.3998	0.1790	1.0347	1.6806	0.1676	1.3666	1.8171	0.0710
135	2.2065	0.8142	0.3606	0.1625	1.0424	1.6891	0.1608	1.3545	1.8138	0.0669
140	2.1711	0.8132	0.3211	0.1456	1.0504	1.6972	0.1543	1.3427	1.8107	0.0637
145	2.1265	0.8123	0.2814	0.1282	1.0587	1.7049	0.1484	1.3310	1.8077	0.0612
150	2.0742	0.8115	0.2416	0.1106	1.0674	1.7124	0.1431	1.3193	1.8047	0.0595
155	2.0169	0.8109	0.2016	0.0926	1.0765	1.7195	0.1385	1.3076	1.8019	0.0588
160	1.9590	0.8104	0.1614	0.0744	1.0862	1.7265	0.1350	1.2958	1.7990	0.0591
165	1.9086	0.8100	0.1212	0.0560	1.0966	1.7332	0.1329	1.2835	1.7961	0.0609
170	1.8817	0.8097	0.0808	0.0374	1.1081	1.7399	0.1331	1.2705	1.7931	0.0650
175	1.9160	0.8095	0.0404	0.0187	1.1210	1.7466	0.1376	1.2563	1.7897	0.0733
180	4.2585	0.8094	0.	0.	1.1365	1.7538	0.3050	1.2397	1.7858	0.1841

GAMMA = 0. ALPHA = 10.000 K = 0.800

DC = 2.2643	XR = 1.1628	BR = 1.634544	TR = 126.52	CR = 2.2081	QR = 0.1371E 03					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8903	1.2009	0.3287	0.8903	1.2009	0.3287			
5	0.9900	0.8852	1.1767	0.3313	0.8955	1.2245	0.3255	2.7434	2.7933	20.6152
10	1.0054	0.8804	1.1518	0.3332	0.9008	1.2473	0.3218	2.3114	2.3942	6.9827
15	1.0376	0.8757	1.1262	0.3344	0.9064	1.2695	0.3176	2.0925	2.2032	3.6385
20	1.0835	0.8711	1.1009	0.3350	0.9121	1.2910	0.3128	1.9516	2.0870	2.2622
25	1.1410	0.8668	1.0731	0.3349	0.9180	1.3118	0.3076	1.8494	2.0072	1.5502
30	1.2082	0.8625	1.0455	0.3340	0.9242	1.3319	0.3020	1.7704	1.9488	1.1304
35	1.2838	0.8585	1.0173	0.3324	0.9305	1.3514	0.2961	1.7066	1.9041	0.8610
40	1.3662	0.8545	0.9885	0.3300	0.9370	1.3702	0.2898	1.6533	1.8688	0.6775
45	1.4540	0.8508	0.9591	0.3269	0.9438	1.3883	0.2833	1.6078	1.8401	0.5469
50	1.5461	0.8472	0.9290	0.3229	0.9508	1.4058	0.2766	1.5682	1.8164	0.4509
55	1.6412	0.8437	0.8984	0.3183	0.9580	1.4226	0.2698	1.5331	1.7965	0.3785
60	1.7383	0.8404	0.8672	0.3128	0.9655	1.4389	0.2630	1.5016	1.7794	0.3227
65	1.8366	0.8372	0.8354	0.3066	0.9733	1.4545	0.2561	1.4730	1.7646	0.2792
70	1.9353	0.8342	0.8032	0.2996	0.9815	1.4696	0.2494	1.4467	1.7517	0.2448
75	2.0339	0.8313	0.7704	0.2918	0.9899	1.4842	0.2429	1.4223	1.7401	0.2175
80	2.1325	0.8285	0.7370	0.2834	0.9988	1.4982	0.2367	1.3994	1.7298	0.1958
85	2.2314	0.8259	0.7033	0.2742	1.0081	1.5118	0.2311	1.3777	1.7203	0.1788
90	2.3320	0.8234	0.6690	0.2643	1.0180	1.5249	0.2262	1.3569	1.7116	0.1657
95	2.4370	0.8211	0.6343	0.2537	1.0285	1.5377	0.2223	1.3367	1.7034	0.1562
100	2.5515	0.8189	0.5992	0.2424	1.0398	1.5502	0.2201	1.3169	1.6955	0.1504
105	2.6858	0.8168	0.5637	0.2305	1.0522	1.5625	0.2204	1.2969	1.6878	0.1488
110	2.8612	0.8149	0.5279	0.2181	1.0660	1.5749	0.2250	1.2765	1.6800	0.1527
115	3.1317	0.8131	0.4916	0.2050	1.0820	1.5876	0.2384	1.2546	1.6718	0.1666
120	3.6807	0.8115	0.4551	0.1914	1.1019	1.6015	0.2759	1.2295	1.6622	0.2053
125	6.2162	0.8100	0.4182	0.1773	1.1332	1.6199	0.4798	1.1936	1.6480	0.4114
130	1.0040	0.8086	0.3811	0.1627						
135	0.9645	0.8073	0.3437	0.1477						
140	0.9124	0.8062	0.3061	0.1323						
145	0.8472	0.8052	0.2683	0.1166						
150	0.7685	0.8044	0.2303	0.1005						
155	0.6760	0.8036	0.1922	0.0842						
160	0.5695	0.8030	0.1539	0.0676						
165	0.4487	0.8026	0.1155	0.0509						
170	0.3135	0.8023	0.0770	0.0340						
175	0.1640	0.8021	0.0385	0.0170						
180	0.	0.8020	0.	0.						

GAMMA = 0. ALPHA = 10.000 K = 1.000

DC = 2.3474	XR = 1.1492	BR = 1.544248	TR = 97.54	CR = 1.7023	QR = 0.6842E 02					
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8940	1.1606	0.3091	0.8940	1.1606	0.3091			
5	0.9916	0.8882	1.1371	0.3112	0.9001	1.1838	0.3066	2.5945	2.6418	18.4393
10	1.0103	0.8826	1.1129	0.3127	0.9064	1.2058	0.3036	2.1857	2.2641	6.2483
15	1.0475	0.8772	1.0880	0.3136	0.9130	1.2276	0.3001	1.9791	2.0838	3.2603
20	1.1002	0.8720	1.0626	0.3139	0.9199	1.2485	0.2963	1.8451	1.9732	2.0327
25	1.1663	0.8670	1.0365	0.3138	0.9270	1.2689	0.2922	1.7478	1.8972	1.3390
30	1.2442	0.8622	1.0098	0.3126	0.9345	1.2887	0.2879	1.6722	1.8412	1.0264
35	1.3323	0.8576	0.9825	0.3109	0.9423	1.3079	0.2834	1.6108	1.7981	0.7882
40	1.4296	0.8532	0.9545	0.3085	0.9504	1.3265	0.2789	1.5592	1.7637	0.6268
45	1.5351	0.8490	0.9260	0.3055	0.9590	1.3446	0.2744	1.5146	1.7354	0.5127
50	1.6484	0.8449	0.8970	0.3017	0.9680	1.3622	0.2702	1.4753	1.7117	0.4298
55	1.7694	0.8411	0.8673	0.2972	0.9776	1.3793	0.2664	1.4400	1.6913	0.3684
60	1.8990	0.8374	0.8372	0.2920	0.9877	1.3959	0.2633	1.4077	1.6734	0.3225
65	2.0391	0.8338	0.8065	0.2861	0.9986	1.4122	0.2614	1.3777	1.6575	0.2885
70	2.1942	0.8305	0.7753	0.2795	1.0104	1.4282	0.2611	1.3492	1.6429	0.2643
75	2.3728	0.8273	0.7435	0.2722	1.0233	1.4442	0.2637	1.3218	1.6292	0.2490
80	2.5933	0.8242	0.7114	0.2643	1.0377	1.4602	0.2712	1.2945	1.6160	0.2432
85	2.8999	0.8213	0.6787	0.2556	1.0545	1.4768	0.2885	1.2666	1.6027	0.2509
90	3.4316	0.8186	0.6456	0.2463	1.0752	1.4948	0.3308	1.2360	1.5882	0.2864
95	5.0872	0.8161	0.6121	0.2364	1.1056	1.5174	0.4967	1.1969	1.5693	0.4473
100	1.0514	0.8136	0.5782	0.2259						
105	1.0756	0.8114	0.5439	0.2148						
110	1.0907	0.8093	0.5093	0.2031						
115	1.0959	0.8073	0.4743	0.1909						
120	1.0905	0.8056	0.4391	0.1782						
125	1.0737	0.8039	0.4035	0.1651						
130	1.0451	0.8024	0.3677	0.1515						
135	1.0038	0.8010	0.3316	0.1375						
140	0.9495	0.7998	0.2953	0.1232						
145	0.8815	0.7987	0.2588	0.1085						
150	0.7996	0.7978	0.2222	0.0935						
155	0.7034	0.7970	0.1854	0.0783						
160	0.5925	0.7963	0.1484	0.0629						
165	0.4668	0.7958	0.1114	0.0473						
170	0.3262	0.7955	0.0743	0.0316						
175	0.1706	0.7953	0.0372	0.0158						
180	0.	0.7952	0.	0.						

GAMMA = 0. ALPHA = 10.000 K = 1.200

DC = 2.4161	XR = 1.1405	BR = 1.480269	TR = 79.94	CR = 1.3952	QR = 0.4412E 02					
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8970	1.1309	0.2970	0.8970	1.1309	0.2970			
5	0.9934	0.8904	1.1077	0.2983	0.9040	1.1536	0.2952	2.4790	2.5242	16.8331
10	1.0158	0.8841	1.0839	0.2993	0.9112	1.1756	0.2932	2.0883	2.1632	5.7079
15	1.0589	0.8781	1.0595	0.2997	0.9188	1.1971	0.2909	1.8905	1.9906	2.9846
20	1.1200	0.8723	1.0346	0.2996	0.9268	1.2180	0.2884	1.7619	1.8844	1.8679
25	1.1969	0.8668	1.0090	0.2989	0.9352	1.2384	0.2859	1.6681	1.8110	1.2932
30	1.2883	0.8615	0.9828	0.2977	0.9441	1.2583	0.2836	1.5943	1.7587	0.9566
35	1.3935	0.8564	0.9561	0.2958	0.9535	1.2778	0.2815	1.5348	1.7143	0.7427
40	1.5124	0.8515	0.9288	0.2934	0.9635	1.2968	0.2800	1.4837	1.6801	0.5992
45	1.6459	0.8469	0.9010	0.2903	0.9743	1.3155	0.2795	1.4390	1.6514	0.4996
50	1.7967	0.8425	0.8726	0.2865	0.9860	1.3339	0.2806	1.3989	1.6268	0.4297
55	1.9706	0.8383	0.8437	0.2821	0.9987	1.3522	0.2841	1.3619	1.6050	0.3813
60	2.1796	0.8342	0.8143	0.2770	1.0129	1.3707	0.2920	1.3269	1.5850	0.3508
65	2.4612	0.8304	0.7843	0.2713	1.0292	1.3896	0.3080	1.2927	1.5660	0.3381
70	2.8595	0.8268	0.7539	0.2649	1.0487	1.4097	0.3420	1.2576	1.5469	0.3507
75	3.7100	0.8233	0.7230	0.2579	1.0747	1.4330	0.4346	1.2180	1.5253	0.4276
80	0.9130	0.8200	0.6917	0.2503						
85	0.9669	0.8169	0.6599	0.2420						
90	1.0148	0.8140	0.6277	0.2331						
95	1.0559	0.8112	0.5950	0.2237						
100	1.0893	0.8086	0.5621	0.2137						
105	1.1141	0.8062	0.5287	0.2031						
110	1.1295	0.8040	0.4950	0.1920						
115	1.1347	0.8019	0.4610	0.1805						
120	1.1288	0.7999	0.4267	0.1684						
125	1.1113	0.7982	0.3921	0.1560						
130	1.0815	0.7966	0.3573	0.1431						
135	1.0386	0.7951	0.3222	0.1299						
140	0.9823	0.7938	0.2870	0.1163						
145	0.9119	0.7927	0.2515	0.1024						
150	0.8271	0.7917	0.2159	0.0883						
155	0.7275	0.7908	0.1801	0.0739						
160	0.6127	0.7902	0.1442	0.0594						
165	0.4827	0.7896	0.1082	0.0447						
170	0.3373	0.7892	0.0722	0.0298						
175	0.1764	0.7890	0.0361	0.0149						
180	0.	0.7889	0.	0.						

GAMMA = 0. ALPHA = 10.000 K = 1.400										
DC = 2.4748 XR = 1.1343 BR = 1.432492 IR = 67.95 OR = 1.1858 QR = 0.3214E 02										
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8995	1.1080	0.2895	0.8995	1.1080	0.2895			
5	0.9953	0.8921	1.0850	0.2900	0.9072	1.11308	0.2887	2.13851	2.4285	15.5861
10	1.0219	0.8852	1.0614	0.2902	0.9153	1.11526	0.2879	2.10092	2.0813	5.2902
15	1.0720	0.8785	1.0372	0.2900	0.9240	1.11752	0.2870	1.8184	1.9148	2.7739
20	1.1430	0.8722	1.0126	0.2894	0.9331	1.11953	0.2864	1.6940	1.8119	1.7446
25	1.2331	0.8662	0.9873	0.2884	0.9429	1.12160	0.2862	1.6027	1.7404	1.2168
30	1.3421	0.8604	0.9616	0.2868	0.9533	1.12366	0.2868	1.5308	1.6870	0.9095
35	1.4707	0.8549	0.9353	0.2847	0.9646	1.12565	0.2866	1.4712	1.6447	0.7164
40	1.6222	0.8497	0.9085	0.2821	0.9770	1.12765	0.2925	1.4198	1.6099	0.5898
45	1.8035	0.8447	0.8811	0.2788	0.9906	1.12968	0.2999	1.3728	1.5801	0.5062
50	2.0304	0.8399	0.8532	0.2750	1.0060	1.13170	0.3138	1.3313	1.5535	0.4545
55	2.3405	0.8354	0.8248	0.2706	1.0240	1.13384	0.3389	1.2908	1.5285	0.4325
60	2.8503	0.8311	0.7960	0.2656	1.0485	1.13618	0.3948	1.2482	1.5033	0.4533
65	4.2371	0.8270	0.7666	0.2599	1.0793	1.13913	0.5860	1.1983	1.4734	0.6203
70	0.8182	0.8231	0.7368	0.2537						
75	0.8829	0.8194	0.7065	0.2468						
80	0.9434	0.8160	0.6758	0.2394						
85	0.9987	0.8127	0.6447	0.2314						
90	1.0478	0.8096	0.6132	0.2229						
95	1.0899	0.8066	0.5813	0.2137						
100	1.1240	0.8039	0.5490	0.2041						
105	1.1492	0.8013	0.5164	0.1940						
110	1.1648	0.7990	0.4835	0.1833						
115	1.1698	0.7968	0.4502	0.1723						
120	1.1636	0.7947	0.4167	0.1607						
125	1.1453	0.7928	0.3829	0.1488						
130	1.1149	0.7911	0.3489	0.1365						
135	1.0700	0.7896	0.3146	0.1239						
140	1.0118	0.7882	0.2802	0.1109						
145	0.9392	0.7870	0.2455	0.0977						
150	0.8517	0.7860	0.2108	0.0842						
155	0.7491	0.7851	0.1758	0.0703						
160	0.6309	0.7844	0.1408	0.0563						
165	0.4970	0.7839	0.1057	0.0426						
170	0.3472	0.7835	0.0705	0.0284						
175	0.1816	0.7832	0.0353	0.0142						
180	0.	0.7831	0.	0.						

GAMMA = 0. ALPHA = 10.000 K = 1.600										
DC = 2.5262 XR = 1.1298 BR = 1.1395416 IR = 59.18 OR = 1.0329 QR = 0.2592E 02										
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9915	1.0898	0.2850	0.9915	1.0898	0.2850			
5	0.9972	0.8934	1.0867	0.2046	0.9100	1.11125	0.2855	2.13069	2.3490	14.5808
10	1.0288	0.8858	1.0432	0.2840	0.9191	1.11348	0.2861	1.9427	2.0124	4.9561
15	1.0869	0.8786	1.0192	0.2832	0.9287	1.11564	0.2871	1.7578	1.8511	2.6077
20	1.1694	0.8718	0.9947	0.2820	0.9391	1.11779	0.2889	1.6367	1.7509	1.6500
25	1.2758	0.8653	0.9697	0.2805	0.9503	1.11992	0.2919	1.5471	1.6807	1.1613
30	1.4075	0.8592	0.9442	0.2786	0.9626	1.12204	0.2968	1.4759	1.6275	0.8796
35	1.5694	0.8533	0.9182	0.2762	0.9761	1.12418	0.3050	1.4159	1.5847	0.7064
40	1.7739	0.8477	0.8917	0.2733	0.9914	1.12634	0.3189	1.3631	1.5486	0.5988
45	2.0587	0.8424	0.8647	0.2699	1.0091	1.12860	0.3388	1.3144	1.5164	0.5391
50	2.4153	0.8374	0.8372	0.2660	1.0309	1.13108	0.3942	1.2667	1.4857	0.5290
55	3.4265	0.8326	0.8093	0.2615	1.0611	1.13403	0.6374	1.2144	1.4529	0.6280
60	0.7016	0.8280	0.7808	0.2564						
65	0.7739	0.8237	0.7520	0.2508						
70	0.8436	0.8196	0.7226	0.2447						
75	0.9099	0.8157	0.6929	0.2380						
80	0.9718	0.8120	0.6627	0.2307						
85	1.0282	0.8086	0.6321	0.2229						
90	1.0784	0.8053	0.6012	0.2146						
95	1.1213	0.8023	0.5698	0.2057						
100	1.1560	0.7994	0.5382	0.1964						
105	1.1816	0.7967	0.5062	0.1865						
110	1.1972	0.7942	0.4738	0.1763						
115	1.2021	0.7919	0.4412	0.1658						
120	1.1954	0.7898	0.4084	0.1545						
125	1.1763	0.7878	0.3752	0.1430						
130	1.1443	0.7861	0.3419	0.1311						
135	1.0986	0.7845	0.3083	0.1190						
140	1.0387	0.7830	0.2745	0.1065						
145	0.9640	0.7818	0.2406	0.0938						
150	0.8741	0.7807	0.2065	0.0808						
155	0.7687	0.7798	0.1723	0.0677						
160	0.6474	0.7790	0.1379	0.0543						
165	0.5099	0.7785	0.1035	0.0409						
170	0.3563	0.7780	0.0691	0.0273						
175	0.1863	0.7778	0.0345	0.0137						
180	0.	0.7777	0.	0.						

GAMMA = 0.				ALPHA = 10.000		K = 1.800					
DC = 2.5721		XR = 1.1262		BR = 1.385785		TR = 52.48		OR = 0.9159		QR = 0.2083E 02	
YRETA	SU	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9032	1.0748	0.2828	0.9032	1.0748	0.2828				
5	0.9994	0.8945	1.0517	0.2812	0.9125	1.0976	0.2846	2.2398	2.2806	13.7497	
10	1.0363	0.8863	1.0282	0.2798	0.9224	1.1201	0.2870	1.8864	1.9541	4.8812	
15	1.1035	0.8785	1.0042	0.2782	0.9332	1.1426	0.2909	1.7060	1.7966	2.4736	
20	1.1997	0.8712	0.9798	0.2765	0.9449	1.1645	0.2951	1.5872	1.6983	1.5764	
25	1.3259	0.8643	0.9549	0.2745	0.9577	1.1868	0.3025	1.4987	1.6287	1.1218	
30	1.4880	0.8578	0.9296	0.2722	0.9720	1.2091	0.3139	1.4274	1.5752	0.8641	
35	1.7005	0.8516	0.9038	0.2695	0.9883	1.2321	0.3329	1.3662	1.5313	0.7128	
40	2.0807	0.8457	0.8776	0.2663	1.0077	1.2568	0.3672	1.3107	1.4928	0.6330	
45	2.5091	0.8401	0.8509	0.2627	1.0322	1.2839	0.4410	1.2562	1.4559	0.627	
50	4.0159	0.8348	0.8237	0.2586	1.0698	1.3201	0.7154	1.1936	1.4137	0.8451	
55	0.6471	0.8297	0.7961	0.2541							
60	0.17225	0.8249	0.7680	0.2490							
65	0.7964	0.8204	0.7395	0.2434							
70	0.8876	0.8161	0.7106	0.2372							
75	0.9353	0.8121	0.6812	0.2306							
80	0.9984	0.8083	0.6515	0.2234							
85	1.0559	0.8046	0.6214	0.2158							
90	1.1069	0.8013	0.5909	0.2076							
95	1.1505	0.7981	0.5600	0.1990							
100	1.1857	0.7951	0.5289	0.1899							
105	1.2116	0.7923	0.4974	0.1803							
110	1.2272	0.7897	0.4656	0.1704							
115	1.2319	0.7873	0.4335	0.1600							
120	1.2247	0.7851	0.4012	0.1492							
125	1.2049	0.7831	0.3686	0.1381							
130	1.1719	0.7813	0.3358	0.1266							
135	1.1249	0.7796	0.3028	0.1148							
140	1.0634	0.7781	0.2697	0.1028							
145	0.9868	0.7768	0.2363	0.0905							
150	0.8947	0.7757	0.2028	0.0780							
155	0.7867	0.7748	0.1692	0.0663							
160	0.6625	0.7740	0.1355	0.0524							
165	0.5218	0.7734	0.1017	0.0394							
170	0.3644	0.7730	0.0678	0.0263							
175	0.1906	0.7727	0.0339	0.0132							
180	0.	0.7726	0.	0.							

GAMMA = 0.				ALPHA = 10.000		K = 2.000					
DC = 2.0135		XR = 1.1233		BR = 1.341549		TR = 47.17		CR = 0.8293		QR = 0.1769E 02	
YRETA	S2	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9046	1.0624	0.2821	0.9046	1.0624	0.2821				
5	1.0017	0.8953	1.0391	0.2794	0.9147	1.0855	0.2855	2.1815	2.2213	13.0473	
10	1.0443	0.8865	1.0155	0.2770	0.9256	1.1083	0.2899	1.8366	1.9026	4.4520	
15	1.1220	0.8783	0.9915	0.2746	0.9375	1.1312	0.2959	1.6605	1.7488	2.3638	
20	1.2340	0.8705	0.9671	0.2723	0.9505	1.1542	0.3047	1.5535	1.6519	1.5191	
25	1.3851	0.8632	0.9423	0.2698	0.9651	1.1773	0.3181	1.4555	1.5825	1.0956	
30	1.5892	0.8563	0.9171	0.2671	0.9819	1.2014	0.3397	1.3834	1.5282	0.8626	
35	1.8839	0.8498	0.8915	0.2640	1.0019	1.2272	0.3702	1.3200	1.4822	0.7401	
40	2.3950	0.8436	0.8654	0.2605	1.0275	1.2561	0.4618	1.2592	1.4393	0.7159	
45	4.0275	0.8377	0.8390	0.2568	1.0680	1.2958	0.7956	1.1897	1.3905	0.9746	
50	0.5877	0.8322	0.8120	0.2526							
55	0.6655	0.8269	0.7847	0.2479							
60	0.7425	0.8219	0.7569	0.2427							
65	0.8178	0.8172	0.7287	0.2371							
70	0.8904	0.8128	0.7001	0.2310							
75	0.9593	0.8086	0.6711	0.2244							
80	1.0235	0.8046	0.6418	0.2172							
85	1.0819	0.8009	0.6120	0.2098							
90	1.1338	0.7974	0.5820	0.2017							
95	1.1779	0.7941	0.5515	0.1933							
100	1.2135	0.7910	0.5208	0.1844							
105	1.2396	0.7881	0.4898	0.1750							
110	1.2553	0.7854	0.4584	0.1653							
115	1.2697	0.7830	0.4268	0.1552							
120	1.2820	0.7807	0.3950	0.1447							
125	1.2915	0.7786	0.3629	0.1339							
130	1.2975	0.7767	0.3306	0.1227							
135	1.2999	0.7750	0.2981	0.1113							
140	1.0863	0.7735	0.2654	0.0996							
145	1.0079	0.7722	0.2326	0.0877							
150	0.9137	0.7710	0.1996	0.0756							
155	0.8033	0.7700	0.1665	0.0632							
160	0.6764	0.7692	0.1334	0.0508							
165	0.5328	0.7686	0.1001	0.0382							
170	0.3722	0.7682	0.0668	0.0255							
175	0.1946	0.7679	0.0334	0.0128							
180	0.	0.7678	0.	0.							

GAMMA=0. ALPHA=10.000 K= 2.20					
DC= 2.6514		XR= 1.12101		BR= 1.32135	
TR=42.8565		CR= 0.74799		QR=15.37213	
THETA	ST	X1	B1	S1	
0	1.0000	0.9059	1.0519	0.2827	
5	1.0041	0.8959	1.0283	0.2786	
10	1.0036	0.8865	1.0046	0.2752	
15	1.1425	0.8778	0.9805	0.2721	
20	1.2731	0.8697	0.9561	0.2691	
25	1.4557	0.8620	0.9314	0.2661	
30	1.7208	0.8547	0.9063	0.2629	
35	2.1678	0.8479	0.8808	0.2595	
40	3.3915	0.8415	0.8548	0.2558	
45	0.5247	0.8354	0.8285	0.2518	
50	0.6038	0.8296	0.8018	0.2474	
55	0.6831	0.8242	0.7747	0.2426	
60	0.7616	0.8190	0.7471	0.2374	
65	0.8382	0.8141	0.7192	0.2317	
70	0.9121	0.8095	0.6909	0.2256	
75	0.9821	0.8052	0.6622	0.2190	
80	1.0472	0.8011	0.6332	0.2120	
85	1.1066	0.7972	0.6038	0.2045	
90	1.1591	0.7936	0.5741	0.1966	
95	1.2037	0.7902	0.5440	0.1883	
100	1.2397	0.7871	0.5137	0.1796	
105	1.2659	0.7841	0.4830	0.1704	
110	1.2815	0.7814	0.4521	0.1609	
115	1.2857	0.7788	0.4209	0.1510	
120	1.2776	0.7765	0.3895	0.1408	
125	1.2564	0.7744	0.3578	0.1302	
130	1.2214	0.7724	0.3259	0.1194	
135	1.1720	0.7707	0.2939	0.1082	
140	1.1076	0.7691	0.2617	0.0969	
145	1.0275	0.7678	0.2293	0.0852	
150	0.9314	0.7666	0.1968	0.0734	
155	0.8188	0.7656	0.1642	0.0615	
160	0.6894	0.7648	0.1314	0.0493	
165	0.5430	0.7641	0.0987	0.0371	
170	0.3793	0.7637	0.0658	0.0248	
175	0.1983	0.7634	0.0329	0.0124	
180	0.	0.7633	0.	0.	

GAMMA=0. ALPHA=10.000 K= 2.60					
DC= 2.7188		XR= 1.11741		BR= 1.28959	
TR=36.2574		CR= 0.63281		QR=12.19019	
THETA	ST	X1	B1	S1	
0	1.0000	0.9079	1.0350	0.2864	
5	1.0095	0.8967	1.0109	0.2794	
10	1.0740	0.8863	0.9867	0.2738	
15	1.1900	0.8767	0.9624	0.2690	
20	1.3687	0.8677	0.9379	0.2647	
25	1.6478	0.8594	0.9132	0.2606	
30	2.1728	0.8516	0.8881	0.2566	
35	4.4888	0.8442	0.8627	0.2525	
40	0.4714	0.8373	0.8370	0.2483	
45	0.5524	0.8308	0.8109	0.2438	
50	0.6344	0.8246	0.7845	0.2391	
55	0.7164	0.8188	0.7578	0.2340	
60	0.7975	0.8134	0.7306	0.2286	
65	0.8765	0.8082	0.7031	0.2229	
70	0.9525	0.8033	0.6753	0.2167	
75	1.0245	0.7988	0.6471	0.2102	
80	1.0914	0.7944	0.6186	0.2032	
85	1.1521	0.7904	0.5898	0.1959	
90	1.2058	0.7866	0.5607	0.1882	
95	1.2513	0.7830	0.5312	0.1801	
100	1.2878	0.7797	0.5015	0.1716	
105	1.3142	0.7766	0.4715	0.1628	
110	1.3297	0.7738	0.4413	0.1536	
115	1.3333	0.7711	0.4108	0.1441	
120	1.3242	0.7687	0.3800	0.1342	
125	1.3017	0.7664	0.3491	0.1241	
130	1.2650	0.7644	0.3180	0.1137	
135	1.2135	0.7626	0.2867	0.1031	
140	1.1464	0.7610	0.2553	0.0922	
145	1.0633	0.7595	0.2237	0.0811	
150	0.9636	0.7583	0.1919	0.0699	
155	0.8469	0.7573	0.1601	0.0585	
160	0.7130	0.7564	0.1282	0.0469	
165	0.5615	0.7558	0.0962	0.0353	
170	0.3922	0.7553	0.0642	0.0236	
175	0.2050	0.7550	0.0321	0.0118	
180	0.	0.7549	0.	0.	

GAMMA=0. ALPHA=10.000 K= 3.000					
DC= 2.7777		XP= 1.11477		BR= 1.26575	
TR=31.4385		CR= 0.54871		QR=10.10758	
THETA	ST	X1	B1	S1	
0	1.0000	0.9096	1.0221	0.2925	
5	1.0155	0.8971	0.9973	0.2822	
10	1.0972	0.8857	0.9726	0.2744	
15	1.2475	0.8753	0.9480	0.2678	
20	1.4967	0.8656	0.9233	0.2621	
25	1.9712	0.8567	0.8984	0.2570	
30	3.9147	0.8483	0.8734	0.2521	
35	0.4129	0.8405	0.8480	0.2473	
40	0.4947	0.8332	0.8224	0.2426	
45	0.5784	0.8263	0.7965	0.2377	
50	0.6630	0.8198	0.7704	0.2326	
55	0.7475	0.8137	0.7438	0.2273	
60	0.8308	0.8080	0.7170	0.2217	
65	0.9119	0.8026	0.6899	0.2159	
70	0.9898	0.7975	0.6624	0.2096	
75	1.0634	0.7927	0.6346	0.2031	
80	1.1317	0.7882	0.6066	0.1962	
85	1.1937	0.7840	0.5782	0.1889	
90	1.2482	0.7801	0.5495	0.1814	
95	1.2944	0.7764	0.5206	0.1734	
100	1.3313	0.7729	0.4914	0.1651	
105	1.3577	0.7697	0.4619	0.1565	
110	1.3730	0.7668	0.4322	0.1476	
115	1.3760	0.7640	0.4023	0.1384	
120	1.3661	0.7615	0.3722	0.1289	
125	1.3423	0.7592	0.3419	0.1191	
130	1.3040	0.7571	0.3114	0.1091	
135	1.2504	0.7552	0.2807	0.0989	
140	1.1810	0.7535	0.2499	0.0884	
145	1.0951	0.7521	0.2190	0.0778	
150	0.9922	0.7508	0.1879	0.0670	
155	0.8719	0.7497	0.1567	0.0560	
160	0.7339	0.7488	0.1255	0.0450	
165	0.5779	0.7482	0.0942	0.0338	
170	0.4136	0.7477	0.0628	0.0226	
175	0.2111	0.7474	0.0314	0.0113	
180	0.	0.7473	0.	0.	

GAMMA=0. ALPHA=10.000 K= 4.000					
DC= 2.9001		XR= 1.11044		BR= 1.22592	
TR=23.6244		CR= 0.41232		QR= 7.09696	
THETA	ST	X1	B1	S1	
0	1.0000	0.9124	0.9999	0.3137	
5	1.0334	0.8970	0.9731	0.2941	
10	1.1716	0.8834	0.9471	0.2798	
15	1.4563	0.8711	0.9215	0.2687	
20	2.1909	0.8600	0.8961	0.2597	
25	0.2932	0.8497	0.8708	0.2519	
30	0.3749	0.8403	0.8456	0.2451	
35	0.4602	0.8315	0.8202	0.2388	
40	0.5481	0.8234	0.7948	0.2328	
45	0.6375	0.8158	0.7691	0.2269	
50	0.7275	0.8086	0.7433	0.2211	
55	0.8170	0.8020	0.7172	0.2152	
60	0.9049	0.7957	0.6909	0.2092	
65	0.9902	0.7898	0.6644	0.2030	
70	1.0718	0.7843	0.6376	0.1966	
75	1.1487	0.7792	0.6105	0.1900	
80	1.2197	0.7744	0.5833	0.1831	
85	1.2839	0.7698	0.5557	0.1760	
90	1.3402	0.7656	0.5280	0.1686	
95	1.3875	0.7616	0.5000	0.1610	
100	1.4248	0.7580	0.4718	0.1531	
105	1.4511	0.7545	0.4434	0.1449	
110	1.4656	0.7514	0.4148	0.1365	
115	1.4672	0.7485	0.3860	0.1278	
120	1.4551	0.7458	0.3570	0.1189	
125	1.4284	0.7433	0.3278	0.1098	
130	1.3865	0.7411	0.2985	0.1005	
135	1.3286	0.7391	0.2691	0.0910	
140	1.2539	0.7374	0.2395	0.0813	
145	1.1621	0.7358	0.2098	0.0715	
150	1.0524	0.7345	0.1800	0.0615	
155	0.9244	0.7333	0.1502	0.0515	
160	0.7779	0.7324	0.1202	0.0413	
165	0.6123	0.7317	0.0902	0.0310	
170	0.4276	0.7312	0.0602	0.0207	
175	0.2235	0.7309	0.0301	0.0104	
180	0.	0.7308	0.	0.	

GAMMA=0. ALPHA=10.000 K= 6.000

DC= 3.0841 XR= 1.10607 BR= 1.18464
TR=15.8029 CR= 0.27581 QR= 4.46233

THETA	ST	X1	B1	S1
0	1.0000	0.9156	0.9762	0.3680
5	1.0828	0.8948	0.9449	0.3244
10	1.4216	0.8773	0.9159	0.2962
15	0.1828	0.8621	0.8883	0.2761
20	0.2659	0.8586	0.8615	0.2608
25	0.3543	0.8365	0.8354	0.2486
30	0.4466	0.8255	0.8095	0.2384
35	0.5417	0.8154	0.7839	0.2295
40	0.6388	0.8061	0.7584	0.2215
45	0.7368	0.7975	0.7329	0.2141
50	0.8346	0.7895	0.7074	0.2071
55	0.9312	0.7820	0.6818	0.2002
60	1.0256	0.7751	0.6562	0.1936
65	1.1166	0.7687	0.6303	0.1869
70	1.2033	0.7626	0.6044	0.1802
75	1.2844	0.7570	0.5783	0.1735
80	1.3589	0.7517	0.5520	0.1666
85	1.4257	0.7468	0.5256	0.1596
90	1.4838	0.7422	0.4991	0.1524
95	1.5320	0.7379	0.4723	0.1451
100	1.5693	0.7340	0.4454	0.1376
105	1.5947	0.7303	0.4184	0.1300
110	1.6075	0.7269	0.3912	0.1222
115	1.6060	0.7236	0.3639	0.1142
120	1.5901	0.7209	0.3364	0.1061
125	1.5587	0.7183	0.3088	0.0978
130	1.5109	0.7159	0.2811	0.0894
135	1.4460	0.7138	0.2533	0.0809
140	1.3633	0.7119	0.2255	0.0722
145	1.2622	0.7103	0.1974	0.0634
150	1.1422	0.7088	0.1694	0.0545
155	1.0023	0.7076	0.1412	0.0456
160	0.8432	0.7066	0.1131	0.0365
165	0.6635	0.7059	0.0848	0.0275
170	0.4632	0.7053	0.0566	0.0183
175	0.2421	0.7050	0.0283	0.0092
180	0.	0.7049	0.	0.

GAMMA=0. ALPHA=10.000 K=10.000

DC= 3.3418 XR= 1.10253 BR= 1.15048
TR= 9.5179 CR= 0.16612 QR= 2.56880

THETA	ST	X1	B1	S1
0	1.0000	0.9184	0.9559	0.4911
5	1.2521	0.8879	0.9158	0.3844
10	0.1523	0.8644	0.8814	0.3272
15	0.2489	0.8450	0.8504	0.2911
20	0.3501	0.8284	0.8214	0.2660
25	0.4546	0.8139	0.7937	0.2471
30	0.5615	0.8009	0.7669	0.2322
35	0.6700	0.7892	0.7408	0.2199
40	0.7792	0.7786	0.7151	0.2093
45	0.8881	0.7689	0.6897	0.1999
50	0.9958	0.7600	0.6645	0.1914
55	1.1013	0.7517	0.6394	0.1834
60	1.2034	0.7440	0.6144	0.1759
65	1.3011	0.7369	0.5894	0.1687
70	1.3933	0.7303	0.5644	0.1616
75	1.4788	0.7242	0.5394	0.1547
80	1.5566	0.7185	0.5144	0.1478
85	1.6255	0.7132	0.4893	0.1409
90	1.6845	0.7082	0.4641	0.1341
95	1.7325	0.7037	0.4388	0.1271
100	1.7685	0.6994	0.4135	0.1202
105	1.7913	0.6955	0.3881	0.1131
110	1.8002	0.6919	0.3627	0.1060
115	1.7940	0.6885	0.3371	0.0988
120	1.7719	0.6855	0.3115	0.0916
125	1.7330	0.6827	0.2858	0.0843
130	1.6765	0.6802	0.2600	0.0768
135	1.6017	0.6779	0.2342	0.0694
140	1.5077	0.6759	0.2083	0.0618
145	1.3940	0.6742	0.1824	0.0542
150	1.2600	0.6727	0.1564	0.0466
155	1.1050	0.6714	0.1304	0.0389
160	0.9285	0.6704	0.1044	0.0312
165	0.7301	0.6696	0.0783	0.0234
170	0.5095	0.6690	0.0522	0.0156
175	0.2662	0.6686	0.0261	0.0078
180	0.	0.6685	0.	0.

GAMMA=0. ALPHA=10.000 K= 8.000

DC= 3.2251 XR= 1.10386 BR= 1.16342
TR=11.8790 CR= 0.20733 QR= 3.25938

THETA	ST	X1	B1	S1
0	1.0000	0.9173	0.9637	0.4286
5	1.1530	0.8915	0.9279	0.3554
10	2.1051	0.8708	0.8961	0.3128
15	0.2173	0.8533	0.8666	0.2841
20	0.3103	0.8380	0.8387	0.2635
25	0.4075	0.8245	0.8117	0.2476
30	0.5079	0.8124	0.7853	0.2348
35	0.6105	0.8014	0.7594	0.2240
40	0.7143	0.7914	0.7338	0.2145
45	0.8184	0.7821	0.7084	0.2060
50	0.9219	0.7734	0.6830	0.1981
55	1.0235	0.7656	0.6577	0.1906
60	1.1223	0.7583	0.6325	0.1834
65	1.2172	0.7514	0.6071	0.1764
70	1.3071	0.7451	0.5817	0.1695
75	1.3909	0.7391	0.5562	0.1627
80	1.4675	0.7336	0.5307	0.1558
85	1.5357	0.7285	0.5050	0.1489
90	1.5944	0.7237	0.4792	0.1419
95	1.6427	0.7192	0.4533	0.1348
100	1.6795	0.7151	0.4273	0.1276
105	1.7037	0.7112	0.4012	0.1203
110	1.7143	0.7077	0.3750	0.1129
115	1.7105	0.7044	0.3487	0.1054
120	1.6913	0.7015	0.3223	0.0977
125	1.6558	0.6988	0.2958	0.0900
130	1.6033	0.6963	0.2692	0.0822
135	1.5330	0.6941	0.2425	0.0742
140	1.4441	0.6921	0.2157	0.0662
145	1.3360	0.6904	0.1889	0.0581
150	1.2082	0.6889	0.1620	0.0500
155	1.0600	0.6877	0.1351	0.0417
160	0.8911	0.6867	0.1081	0.0334
165	0.7009	0.6859	0.0811	0.0251
170	0.4892	0.6853	0.0541	0.0168
175	0.2556	0.6850	0.0271	0.0084
180	0.	0.6849	0.	0.

GAMMA=0. ALPHA=10.000 K=20.000

DC= 3.17571 XR= 1.09985 BR= 1.12414
TR= 3.7757 CR= 0.06590 QR= 1.24918

THETA	ST	X1	B1	S1
0	1.0000	0.9202	0.9394	0.8046
5	0.1152	0.8702	0.8802	0.4955
10	0.2471	0.8369	0.8367	0.3755
15	0.3771	0.8115	0.8004	0.3118
20	0.5058	0.7908	0.7680	0.2717
25	0.6341	0.7733	0.7383	0.2437
30	0.7618	0.7581	0.7102	0.2228
35	0.8888	0.7446	0.6834	0.2062
40	1.0143	0.7325	0.6575	0.1926
45	1.1376	0.7215	0.6322	0.1811
50	1.2578	0.7116	0.6074	0.1709
55	1.3738	0.7024	0.5830	0.1618
60	1.4846	0.6941	0.5590	0.1535
65	1.5891	0.6863	0.5351	0.1457
70	1.6864	0.6792	0.5114	0.1383
75	1.7752	0.6725	0.4879	0.1313
80	1.8546	0.6664	0.4644	0.1245
85	1.9234	0.6607	0.4411	0.1179
90	1.9806	0.6555	0.4178	0.1114
95	2.0252	0.6506	0.3945	0.1051
100	2.0561	0.6461	0.3713	0.0988
105	2.0724	0.6419	0.3481	0.0925
110	2.0732	0.6381	0.3249	0.0863
115	2.0575	0.6346	0.3017	0.0802
120	2.0245	0.6314	0.2785	0.0740
125	1.9732	0.6285	0.2553	0.0678
130	1.9030	0.6258	0.2321	0.0617
135	1.8130	0.6235	0.2089	0.0555
140	1.7024	0.6214	0.1857	0.0494
145	1.5707	0.6195	0.1625	0.0432
150	1.4170	0.6180	0.1393	0.0371
155	1.2407	0.6166	0.1161	0.0309
160	1.0412	0.6156	0.0929	0.0247
165	0.8180	0.6147	0.0697	0.0185
170	0.5704	0.6141	0.0465	0.0124
175	0.2979	0.6138	0.0232	0.0062
180	0.	0.6137	0.	0.

GAMMA = 0.

ALPHA = 11:000

K = 0.200

DC = 1.7582

X0 = 1.6680

B0 = 2.366676

V2 = -0.2732E 01

THETA	SF	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8756	1.5514	0.5594	0.8756	1.5514	0.6274			
5	0.9879	0.8738	1.5196	0.5620	0.8774	1.5825	0.6239	3.8232	3.8929	40.0346
10	0.9992	0.8720	1.4869	0.5638	0.8793	1.6127	0.6197	3.2212	3.3367	13.5571
15	1.0256	0.8702	1.4534	0.5645	0.8812	1.6421	0.6148	2.9166	3.0708	7.0562
20	1.0638	0.8685	1.4191	0.5641	0.8831	1.6707	0.6093	2.7205	2.9090	4.3751
25	1.1119	0.8668	1.3840	0.5627	0.8850	1.6985	0.6033	2.5789	2.7986	2.9837
30	1.1683	0.8651	1.3481	0.5602	0.8869	1.7255	0.5968	2.4700	2.7183	2.1598
35	1.2317	0.8635	1.3115	0.5565	0.8888	1.7517	0.5899	2.3828	2.6574	1.6285
40	1.3009	0.8619	1.2741	0.5517	0.8908	1.7770	0.5828	2.3108	2.6098	1.2646
45	1.3748	0.8603	1.2359	0.5457	0.8927	1.8016	0.5749	2.2500	2.5718	1.0040
50	1.4525	0.8588	1.1970	0.5385	0.8947	1.8254	0.5670	2.1978	2.5411	0.8110
55	1.5329	0.8574	1.1574	0.5301	0.8966	1.8484	0.5588	2.1525	2.5157	0.6642
60	1.6151	0.8560	1.1171	0.5206	0.8986	1.8706	0.5505	2.1126	2.4947	0.5501
65	1.6982	0.8546	1.0761	0.5098	0.9005	1.8922	0.5421	2.0773	2.4771	0.4599
70	1.7813	0.8533	1.0344	0.4978	0.9025	1.9128	0.5336	2.0458	2.4622	0.3874
75	1.8635	0.8520	0.9921	0.4847	0.9044	1.9328	0.5251	2.0174	2.4496	0.3286
80	1.9440	0.8508	0.9491	0.4704	0.9063	1.9521	0.5167	1.9918	2.4388	0.2803
85	2.0219	0.8496	0.9056	0.4549	0.9082	1.9706	0.5083	1.9686	2.4295	0.2404
90	2.0965	0.8485	0.8615	0.4384	0.9101	1.9885	0.5001	1.9475	2.4216	0.2070
95	2.1672	0.8475	0.8168	0.4207	0.9120	2.0057	0.4921	1.9281	2.4147	0.1791
100	2.2331	0.8464	0.7716	0.4020	0.9139	2.0222	0.4843	1.9104	2.4087	0.1556
105	2.2938	0.8454	0.7259	0.3822	0.9157	2.0381	0.4767	1.8941	2.4036	0.1356
110	2.3485	0.8445	0.6797	0.3615	0.9175	2.0534	0.4695	1.8791	2.3991	0.1187
115	2.3968	0.8437	0.6330	0.3398	0.9193	2.0680	0.4626	1.8653	2.3952	0.1042
120	2.4384	0.8429	0.5860	0.3173	0.9211	2.0821	0.4561	1.8525	2.3917	0.0919
125	2.4727	0.8422	0.5386	0.2939	0.9228	2.0955	0.4500	1.8406	2.3887	0.0815
130	2.4994	0.8416	0.4908	0.2698	0.9245	2.1085	0.4443	1.8296	2.3861	0.0726
135	2.5184	0.8410	0.4426	0.2449	0.9262	2.1208	0.4391	1.8194	2.3838	0.0650
140	2.5296	0.8404	0.3942	0.2194	0.9279	2.1327	0.4344	1.8098	2.3818	0.0586
145	2.5328	0.8400	0.3455	0.1933	0.9295	2.1440	0.4302	1.8010	2.3800	0.0533
150	2.5280	0.8395	0.2966	0.1668	0.9311	2.1549	0.4265	1.7927	2.3785	0.0488
155	2.5155	0.8392	0.2475	0.1396	0.9326	2.1652	0.4234	1.7850	2.3771	0.0452
160	2.4954	0.8389	0.1982	0.1121	0.9341	2.1751	0.4208	1.7778	2.3759	0.0423
165	2.4681	0.8387	0.1487	0.0843	0.9356	2.1848	0.4187	1.7711	2.3748	0.0402
170	2.4340	0.8385	0.0992	0.0564	0.9370	2.1936	0.4173	1.7648	2.3739	0.0386
175	2.3937	0.8384	0.0496	0.0282	0.9384	2.2023	0.4164	1.7589	2.3730	0.0377
180	2.3479	0.8384	0.	0.	0.9398	2.2105	0.4161	1.7534	2.3723	0.0374

GAMMA = 0.

ALPHA = 11:000

K = 0.300

DC = 1.8920

X0 = 1.4901

B0 = 2.135463

V2 = -0.2970E 01

THETA	SF	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8811	1.4328	0.4684	0.8811	1.4328	0.5188			
5	0.9884	0.8787	1.4039	0.4717	0.8835	1.4609	0.5148	3.4546	3.5176	32.6884
10	1.0007	0.8764	1.3741	0.4740	0.8859	1.4883	0.5102	2.9106	3.0149	11.0696
15	1.0283	0.8741	1.3437	0.4755	0.8884	1.5168	0.5050	2.6353	2.7747	5.7615
20	1.0679	0.8718	1.3124	0.4761	0.8909	1.5406	0.4992	2.4582	2.6286	3.5725
25	1.1175	0.8695	1.2803	0.4757	0.8934	1.5656	0.4930	2.3303	2.5288	2.4365
30	1.1754	0.8675	1.2475	0.4743	0.8960	1.5897	0.4863	2.2319	2.4562	1.7640
35	1.2403	0.8654	1.2140	0.4720	0.8986	1.6132	0.4792	2.1531	2.4012	1.3304
40	1.3109	0.8634	1.1797	0.4685	0.9012	1.6358	0.4718	2.0879	2.3582	1.0334
45	1.3861	0.8614	1.1447	0.4641	0.9039	1.6577	0.4641	2.0330	2.3238	0.8209
50	1.4649	0.8595	1.1089	0.4586	0.9065	1.6788	0.4561	1.9858	2.2960	0.6635
55	1.5461	0.8577	1.0725	0.4520	0.9092	1.6992	0.4480	1.9447	2.2731	0.5439
60	1.6289	0.8559	1.0354	0.4444	0.9118	1.7188	0.4397	1.9087	2.2540	0.4509
65	1.7120	0.8541	0.9976	0.4356	0.9145	1.7377	0.4314	1.8767	2.2380	0.3774
70	1.7947	0.8525	0.9592	0.4258	0.9172	1.7559	0.4230	1.8480	2.2245	0.3184
75	1.8760	0.8509	0.9201	0.4150	0.9199	1.7734	0.4146	1.8223	2.2130	0.2706
80	1.9550	0.8493	0.8805	0.4031	0.9225	1.7902	0.4063	1.7990	2.2032	0.2313
85	2.0308	0.8479	0.8402	0.3902	0.9252	1.8064	0.3981	1.7779	2.1947	0.1988
90	2.1027	0.8465	0.7994	0.3763	0.9279	1.8219	0.3901	1.7586	2.1875	0.1717
95	2.1698	0.8451	0.7581	0.3614	0.9305	1.8367	0.3822	1.7410	2.1812	0.1490
100	2.2314	0.8439	0.7162	0.3455	0.9332	1.8510	0.3746	1.7247	2.1757	0.1298
105	2.2870	0.8427	0.6739	0.3287	0.9358	1.8646	0.3673	1.7098	2.1709	0.1136
110	2.3358	0.8416	0.6311	0.3111	0.9384	1.8777	0.3603	1.6960	2.1668	0.0998
115	2.3774	0.8406	0.5879	0.2926	0.9410	1.8902	0.3536	1.6833	2.1631	0.0881
120	2.4113	0.8396	0.5442	0.2733	0.9435	1.9021	0.3473	1.6715	2.1600	0.0781
125	2.4372	0.8387	0.5002	0.2533	0.9460	1.9135	0.3414	1.6605	2.1572	0.0696
130	2.4547	0.8379	0.4559	0.2326	0.9486	1.9244	0.3359	1.6503	2.1547	0.0623
135	2.4636	0.8372	0.4112	0.2112	0.9510	1.9348	0.3309	1.6407	2.1525	0.0561
140	2.4636	0.8365	0.3662	0.1892	0.9535	1.9447	0.3263	1.6319	2.1506	0.0509
145	2.4540	0.8359	0.3210	0.1668	0.9559	1.9541	0.3221	1.6236	2.1489	0.0465
150	2.4369	0.8354	0.2756	0.1438	0.9582	1.9631	0.3186	1.6158	2.1474	0.0429
155	2.4113	0.8350	0.2299	0.1205	0.9606	1.9717	0.3156	1.6086	2.1461	0.0399
160	2.3774	0.8346	0.1842	0.0968	0.9629	1.9799	0.3131	1.6018	2.1449	0.0376
165	2.3358	0.8343	0.1382	0.0728	0.9651	1.9877	0.3111	1.5954	2.1439	0.0358
170	2.2869	0.8342	0.0922	0.0487	0.9673	1.9951	0.3098	1.5894	2.1430	0.0346
175	2.2312	0.8340	0.0461	0.0244	0.9695	2.0022	0.3089	1.5838	2.1422	0.0338
180	2.1697	0.8340	0.	0.	0.9716	2.0089	0.3086	1.5785	2.1414	0.0336

GAMMA = 0.

ALPHA = 11.000

K = 0.400

DC = 1.9888

XD = 1.3416

BD = 1.980543

Y2 = -0.2176E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8853	1.3575	0.4151	0.8853	1.3576	0.4605			
5	0.9888	0.8825	1.3304	0.4186	0.8882	1.3838	0.4463	3.2149	3.2735	28.3097
10	1.0018	0.8796	1.3026	0.4214	0.8912	1.4093	0.4415	2.7085	2.8056	9.5874
15	1.0302	0.8769	1.2740	0.4233	0.8943	1.4341	0.4362	2.4524	2.5821	4.9905
20	1.0709	0.8742	1.2446	0.4243	0.8973	1.4581	0.4303	2.1876	2.4462	3.0949
25	1.1218	0.8716	1.2145	0.4245	0.9005	1.4813	0.4240	2.1685	2.3533	2.1114
30	1.1807	0.8690	1.1836	0.4238	0.9037	1.5037	0.4172	2.0770	2.2857	1.5293
35	1.2468	0.8666	1.1520	0.4221	0.9069	1.5254	0.4101	2.0035	2.2344	1.1541
40	1.3186	0.8642	1.1197	0.4195	0.9101	1.5463	0.4026	1.9429	2.1944	0.8973
45	1.3950	0.8618	1.0866	0.4159	0.9134	1.5664	0.3949	1.8916	2.1624	0.7136
50	1.4748	0.8596	1.0529	0.4113	0.9168	1.5859	0.3870	1.8476	2.1364	0.5777
55	1.5568	0.8574	1.0185	0.4057	0.9201	1.6046	0.3789	1.8093	2.1149	0.4744
60	1.6401	0.8553	0.9834	0.3992	0.9235	1.6228	0.3707	1.7755	2.0971	0.3943
65	1.7238	0.8532	0.9476	0.3918	0.9269	1.6398	0.3624	1.7455	2.0821	0.3309
70	1.8082	0.8513	0.9112	0.3831	0.9303	1.6564	0.3541	1.7186	2.0694	0.2801
75	1.8870	0.8494	0.8743	0.3736	0.9338	1.6723	0.3459	1.6944	2.0585	0.2389
80	1.9650	0.8476	0.8367	0.3631	0.9372	1.6876	0.3377	1.6725	2.0492	0.2051
85	2.0392	0.8459	0.7985	0.3516	0.9407	1.7021	0.3296	1.6525	2.0412	0.1772
90	2.1090	0.8443	0.7598	0.3392	0.9442	1.7161	0.3217	1.6342	2.0342	0.1539
95	2.1735	0.8427	0.7206	0.3259	0.9477	1.7295	0.3140	1.6175	2.0282	0.1343
100	2.2318	0.8413	0.6809	0.3118	0.9511	1.7422	0.3066	1.6020	2.0229	0.1179
105	2.2854	0.8399	0.6407	0.2968	0.9546	1.7544	0.2994	1.5877	2.0183	0.1039
110	2.3276	0.8386	0.6001	0.2809	0.9581	1.7660	0.2926	1.5744	2.0143	0.0921
115	2.3688	0.8374	0.5590	0.2643	0.9616	1.7770	0.2860	1.5621	2.0107	0.0820
120	2.3997	0.8363	0.5175	0.2470	0.9650	1.7876	0.2798	1.5507	2.0076	0.0734
125	2.4308	0.8353	0.4757	0.2289	0.9685	1.7976	0.2741	1.5400	2.0048	0.0660
130	2.4620	0.8343	0.4336	0.2102	0.9719	1.8071	0.2687	1.5300	2.0023	0.0598
135	2.4928	0.8335	0.3911	0.1910	0.9753	1.8162	0.2639	1.5206	2.0001	0.0545
140	2.5233	0.8327	0.3483	0.1711	0.9787	1.8248	0.2594	1.5118	1.9982	0.0499
145	2.5535	0.8321	0.3054	0.1508	0.9821	1.8330	0.2555	1.5036	1.9964	0.0462
150	2.5838	0.8315	0.2621	0.1301	0.9854	1.8407	0.2520	1.4958	1.9949	0.0430
155	2.6131	0.8310	0.2187	0.1090	0.9887	1.8481	0.2491	1.4885	1.9935	0.0405
160	2.6426	0.8306	0.1752	0.0876	0.9920	1.8551	0.2467	1.4816	1.9923	0.0384
165	2.6723	0.8303	0.1315	0.0659	0.9953	1.8618	0.2448	1.4751	1.9912	0.0369
170	2.7023	0.8300	0.0877	0.0440	0.9985	1.8680	0.2434	1.4689	1.9902	0.0358
175	2.7324	0.8299	0.0439	0.0221	1.0017	1.8739	0.2426	1.4631	1.9893	0.0352
180	2.7626	0.8299	0.	0.	1.0048	1.8796	0.2429	1.4576	1.9884	0.0350

GAMMA = 0.

ALPHA = 11.000

K = 0.500

DC = 2.0647

KR = 1.2016

BR = 1.854969

TR = 57.03

CR = 5.2879

QR = 0.1035E 05

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8888	1.3041	0.3797	0.8888	1.3041	0.3797			
5	0.9982	0.8855	1.2784	0.3834	0.8922	1.3292	0.3754	3.0405	3.0959	25.3199
10	1.0001	0.8822	1.2518	0.3863	0.8957	1.3534	0.3704	2.5617	2.6535	8.5741
15	1.0270	0.8791	1.2245	0.3884	0.8993	1.3769	0.3648	2.3196	2.4423	4.4628
20	1.0658	0.8760	1.1965	0.3897	0.9029	1.3997	0.3586	2.1635	2.3134	2.7676
25	1.1144	0.8730	1.1677	0.3902	0.9066	1.4217	0.3519	2.0508	2.2255	1.8883
30	1.1710	0.8700	1.1381	0.3898	0.9103	1.4429	0.3447	1.9642	2.1616	1.3681
35	1.2342	0.8672	1.1079	0.3886	0.9142	1.4634	0.3371	1.8946	2.1130	1.0329
40	1.3026	0.8646	1.0769	0.3864	0.9181	1.4831	0.3290	1.8371	2.0750	0.8037
45	1.3749	0.8618	1.0453	0.3834	0.9220	1.5021	0.3206	1.7885	2.0446	0.6399
50	1.4500	0.8592	1.0129	0.3794	0.9260	1.5203	0.3120	1.7466	2.0199	0.5187
55	1.5264	0.8567	0.9799	0.3745	0.9301	1.5379	0.3031	1.7101	1.9995	0.4266
60	1.6031	0.8544	0.9462	0.3686	0.9342	1.5547	0.2939	1.6779	1.9824	0.3552
65	1.6822	0.8521	0.9119	0.3618	0.9384	1.5709	0.3229	1.6492	1.9680	0.3188
70	1.7629	0.8499	0.8770	0.3541	0.9426	1.5864	0.3103	1.6235	1.9557	0.2691
75	1.8477	0.8478	0.8415	0.3454	0.9469	1.6012	0.3001	1.6002	1.9452	0.2302
80	1.9377	0.8457	0.8054	0.3358	0.9512	1.6153	0.2908	1.5790	1.9362	0.1988
85	2.0329	0.8438	0.7687	0.3254	0.9555	1.6289	0.2821	1.5596	1.9284	0.1730
90	2.1338	0.8420	0.7315	0.3140	0.9599	1.6418	0.2738	1.5418	1.9215	0.1516
95	2.2404	0.8403	0.6938	0.3018	0.9643	1.6541	0.2659	1.5263	1.9155	0.1338
100	2.3567	0.8386	0.6558	0.2887	0.9688	1.6658	0.2583	1.5101	1.9103	0.1188
105	2.4800	0.8371	0.6189	0.2749	0.9732	1.6770	0.2511	1.4960	1.9056	0.1061
110	2.6056	0.8357	0.5778	0.2603	0.9777	1.6876	0.2442	1.4828	1.9015	0.0953
115	2.7378	0.8343	0.5383	0.2450	0.9823	1.6977	0.2378	1.4704	1.8978	0.0862
120	2.8701	0.8331	0.4984	0.2289	0.9868	1.7072	0.2317	1.4588	1.8946	0.0784
125	2.4154	0.8320	0.4581	0.2122	0.9914	1.7163	0.2260	1.4479	1.8916	0.0717
130	2.4200	0.8309	0.4176	0.1949	0.9960	1.7249	0.2208	1.4376	1.8890	0.0660
135	2.4149	0.8300	0.3767	0.1771	1.0006	1.7331	0.2160	1.4279	1.8866	0.0612
140	2.4000	0.8291	0.3355	0.1587	1.0052	1.7408	0.2116	1.4187	1.8845	0.0571
145	2.3752	0.8284	0.2941	0.1399	1.0099	1.7482	0.2078	1.4100	1.8825	0.0537
150	2.3407	0.8277	0.2525	0.1207	1.0145	1.7551	0.2044	1.4017	1.8808	0.0508
155	2.2968	0.8272	0.2107	0.1011	1.0192	1.7616	0.2015	1.3937	1.8792	0.0485
160	2.2437	0.8267	0.1687	0.0812	1.0239	1.7678	0.1992	1.3862	1.8777	0.0467
165	2.1820	0.8264	0.1267	0.0611	1.0286	1.7736	0.1973	1.3789	1.8763	0.0453
170	2.1123	0.8261	0.0845	0.0409	1.0333	1.7791	0.1960	1.3720	1.8751	0.0443
175	2.0353	0.8260	0.0423	0.0205	1.0380	1.7843	0.1952	1.3653	1.8740	0.0437
180	1.9519	0.8259	0.	0.	1.0427	1.7892	0.1950	1.3588	1.8729	0.0435

GAMMA = 0.

ALPHA = 11.000

K = 0.600

DC = 2.1271	XR = 1.1766	BR = 1.757062	TR = 156.79	CR = 3.6467	QR = 0.1061E 04					
THETA	ST	X1	B1	91	X2	B2	S2	X3	B3	S3
0	1.0000	0.8917	1.2638	0.3545	0.8917	1.2638	0.3545			
5	0.9889	0.8880	1.2389	0.3581	0.8956	1.2879	0.3602	2.9049	2.9579	28.1141
10	1.0019	0.8863	1.2133	0.3611	0.8996	1.3112	0.3652	2.8476	2.8253	7.8271
15	1.0305	0.8807	1.1870	0.3633	0.9036	1.3338	0.3697	2.7160	2.8932	4.0744
20	1.0712	0.8773	1.1599	0.3648	0.9078	1.3557	0.3736	2.0870	2.8103	2.5274
25	1.1221	0.8739	1.1321	0.3654	0.9120	1.3768	0.3771	1.9893	2.8283	2.7224
30	1.1814	0.8706	1.1036	0.3653	0.9164	1.3971	0.3800	1.8764	2.0851	1.2512
35	1.2476	0.8675	1.0743	0.3643	0.9208	1.4168	0.3826	1.8098	2.0186	0.9499
40	1.3293	0.8644	1.0444	0.3624	0.9253	1.4358	0.3848	1.7547	1.9821	0.7374
45	1.3992	0.8615	1.0137	0.3597	0.9300	1.4538	0.3867	1.7080	1.9529	0.5864
50	1.4739	0.8586	0.9824	0.3561	0.9347	1.4713	0.3884	1.6677	1.9290	0.4784
55	1.5542	0.8559	0.9505	0.3516	0.9395	1.4880	0.3798	1.6325	1.9093	0.3949
60	1.6348	0.8533	0.9179	0.3462	0.9444	1.5041	0.2710	1.6013	1.8927	0.3302
65	1.7145	0.8507	0.8847	0.3400	0.9493	1.5196	0.2621	1.5734	1.8786	0.2791
70	1.7920	0.8483	0.8508	0.3328	0.9544	1.5342	0.2531	1.5483	1.8666	0.2383
75	1.8661	0.8460	0.8164	0.3247	0.9596	1.5483	0.2440	1.5254	1.8562	0.2031
80	1.9358	0.8438	0.7814	0.3158	0.9648	1.5617	0.2350	1.5046	1.8472	0.1779
85	1.9999	0.8417	0.7459	0.3060	0.9702	1.5746	0.2259	1.4854	1.8394	0.1554
90	2.0574	0.8397	0.7098	0.2954	0.9756	1.5868	0.2169	1.4686	1.8324	0.1367
95	2.1072	0.8378	0.6732	0.2840	0.9811	1.5986	0.2081	1.4511	1.8263	0.1209
100	2.1485	0.8360	0.6362	0.2718	0.9867	1.6095	0.1993	1.4356	1.8208	0.1076
105	2.1804	0.8344	0.5987	0.2588	0.9924	1.6200	0.1907	1.4212	1.8160	0.0963
110	2.2020	0.8328	0.5607	0.2450	0.9982	1.6300	0.1823	1.4075	1.8116	0.0867
115	2.2126	0.8314	0.5224	0.2306	1.0041	1.6395	0.1741	1.3946	1.8076	0.0785
120	2.2117	0.8300	0.4837	0.2153	1.0101	1.6483	0.1662	1.3823	1.8040	0.0714
125	2.1987	0.8288	0.4446	0.1999	1.0163	1.6572	0.1589	1.3706	1.8007	0.0654
130	2.1732	0.8278	0.4053	0.1836	1.0225	1.6653	0.1513	1.3594	1.7976	0.0602
135	2.1347	0.8268	0.3658	0.1668	1.0289	1.6730	0.1440	1.3486	1.7948	0.0558
140	2.0833	0.8257	0.3278	0.1495	1.0354	1.6809	0.1372	1.3381	1.7922	0.0520
145	2.0188	0.8249	0.2896	0.1318	1.0421	1.6882	0.1307	1.3280	1.7897	0.0489
150	1.9413	0.8243	0.2451	0.1137	1.0490	1.6958	0.1247	1.3181	1.7874	0.0463
155	1.8519	0.8236	0.2045	0.0953	1.0561	1.7002	0.1190	1.3084	1.7852	0.0442
160	1.7507	0.8231	0.1638	0.0765	1.0634	1.7062	0.1138	1.2987	1.7831	0.0428
165	2.9970	0.8227	0.1229	0.0576	1.0710	1.7118	0.2189	1.2891	1.7810	0.1044
170	2.7709	0.8225	0.0820	0.0385	1.0790	1.7172	0.2081	1.2795	1.7790	0.0921
175	2.6372	0.8223	0.0419	0.0193	1.0874	1.7225	0.2007	1.2698	1.7770	0.0869
180	2.5505	0.8222	0.	0.	1.0964	1.7276	0.1991	1.2596	1.7749	0.0854

GAMMA = 0.

ALPHA = 11.000

K = 0.800

DC = 2.2262	XR = 1.1520	BR = 1.621430	TR = 133.32	CR = 2.3268	QR = 0.2009E 03					
THETA	ST	X1	B1	91	X2	B2	S2	X3	B3	S3
0	1.0000	0.8964	1.2059	0.3213	0.8964	1.2059	0.3213			
5	0.9902	0.8918	1.1823	0.3247	0.9011	1.2288	0.3172	2.7033	2.7526	20.0174
10	1.0059	0.8874	1.1580	0.3275	0.9060	1.2509	0.3126	2.2774	2.3591	6.7792
15	1.0380	0.8831	1.1329	0.3298	0.9110	1.2725	0.3074	2.0624	2.1715	3.5303
20	1.0834	0.8790	1.1071	0.3312	0.9162	1.2934	0.3018	1.9234	2.0568	2.1922
25	1.1399	0.8750	1.0807	0.3320	0.9215	1.3131	0.2958	1.8229	1.9784	1.4994
30	1.2060	0.8711	1.0535	0.3320	0.9270	1.3324	0.2893	1.7465	1.9211	1.0906
35	1.2799	0.8674	1.0257	0.3312	0.9327	1.3510	0.2826	1.6830	1.8775	0.8280
40	1.3604	0.8638	0.9972	0.3297	0.9386	1.3689	0.2756	1.6211	1.8431	0.6491
45	1.4461	0.8603	0.9680	0.3273	0.9446	1.3862	0.2689	1.5669	1.8153	0.5217
50	1.5355	0.8570	0.9382	0.3242	0.9508	1.4027	0.2609	1.5185	1.7924	0.4280
55	1.6276	0.8538	0.9077	0.3202	0.9573	1.4186	0.2534	1.4746	1.7733	0.3572
60	1.7211	0.8508	0.8766	0.3154	0.9639	1.4339	0.2458	1.4344	1.7571	0.3027
65	1.8150	0.8479	0.8449	0.3097	0.9708	1.4486	0.2382	1.4070	1.7431	0.2600
70	1.9083	0.8451	0.8126	0.3033	0.9779	1.4626	0.2307	1.3821	1.7309	0.2261
75	2.0003	0.8424	0.7798	0.2960	0.9853	1.4761	0.2233	1.4090	1.7202	0.1990
80	2.0903	0.8399	0.7464	0.2879	0.9930	1.4890	0.2162	1.3876	1.7106	0.1773
85	2.1780	0.8374	0.7125	0.2790	1.0010	1.5014	0.2094	1.3674	1.7020	0.1598
90	2.2637	0.8352	0.6780	0.2694	1.0094	1.5134	0.2031	1.3483	1.6942	0.1459
95	2.3481	0.8330	0.6431	0.2590	1.0182	1.5249	0.1974	1.3299	1.6869	0.1351
100	2.4330	0.8310	0.6077	0.2479	1.0276	1.5360	0.1926	1.3121	1.6802	0.1270
105	2.5221	0.8291	0.5719	0.2361	1.0376	1.5468	0.1890	1.2947	1.6737	0.1217
110	2.6226	0.8273	0.5357	0.2236	1.0484	1.5574	0.1872	1.2773	1.6674	0.1195
115	2.7489	0.8257	0.4991	0.2104	1.0604	1.5678	0.1883	1.2595	1.6611	0.1212
120	2.9357	0.8241	0.4621	0.1967	1.0740	1.5784	0.1951	1.2407	1.6546	0.1292
125	3.2837	0.8227	0.4248	0.1824	1.0904	1.5896	0.2149	1.2199	1.6473	0.1508
130	4.3409	0.8214	0.3872	0.1676	1.1130	1.6029	0.2887	1.1933	1.6377	0.2268
135	1.0238	0.8203	0.3493	0.1522						
140	0.9692	0.8192	0.3111	0.1365						
145	0.9006	0.8183	0.2727	0.1203						
150	0.8174	0.8175	0.2342	0.1038						
155	0.7194	0.8169	0.1954	0.0870						
160	0.6063	0.8163	0.1565	0.0699						
165	0.4778	0.8159	0.1175	0.0526						
170	0.3340	0.8156	0.0784	0.0351						
175	0.1747	0.8154	0.0392	0.0176						
180	0.	0.8154	0.	0.						

GAMMA = 0.

ALPHA = 11.000

K = 1.000

THETA	SE	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9000	1.1659	0.3011	0.9000	1.1659	0.3011			
5	0.9917	0.8947	1.1430	0.3042	0.9055	1.1881	0.2975	2.5566	2.6032	17.9044
10	1.0102	0.8895	1.1195	0.3067	0.9112	1.2096	0.2934	2.1538	2.2310	6.0647
15	1.0465	0.8846	1.0952	0.3086	0.9172	1.2304	0.2889	1.9503	2.0535	3.1608
20	1.0977	0.8799	1.0703	0.3099	0.9234	1.2506	0.2841	1.8187	1.9449	1.9664
25	1.1615	0.8753	1.0447	0.3105	0.9298	1.2701	0.2789	1.7233	1.8704	1.3492
30	1.2365	0.8709	1.0184	0.3105	0.9365	1.2889	0.2735	1.6495	1.8158	0.9860
35	1.3212	0.8667	0.9915	0.3097	0.9435	1.3071	0.2679	1.5896	1.7739	0.7536
40	1.4143	0.8626	0.9639	0.3082	0.9508	1.3247	0.2623	1.5396	1.7406	0.5959
45	1.5149	0.8588	0.9357	0.3060	0.9584	1.3417	0.2566	1.4966	1.7135	0.4843
50	1.6220	0.8550	0.9068	0.3030	0.9664	1.3581	0.2511	1.4589	1.6908	0.4030
55	1.7352	0.8515	0.8774	0.2992	0.9749	1.3740	0.2459	1.4252	1.6716	0.3424
60	1.8545	0.8481	0.8473	0.2947	0.9838	1.3894	0.2411	1.3947	1.6548	0.2967
65	1.9808	0.8448	0.8167	0.2894	0.9932	1.4043	0.2370	1.3665	1.6401	0.2622
70	2.1161	0.8417	0.7854	0.2834	1.0033	1.4188	0.2340	1.3401	1.6268	0.2364
75	2.2647	0.8387	0.7537	0.2766	1.0143	1.4331	0.2326	1.3149	1.6146	0.2182
80	2.4355	0.8359	0.7214	0.2690	1.0263	1.4472	0.2339	1.2904	1.6031	0.2072
85	2.6476	0.8333	0.6886	0.2607	1.0397	1.4614	0.2399	1.2660	1.5919	0.2043
90	2.9486	0.8308	0.6553	0.2517	1.0554	1.4760	0.2553	1.2407	1.5805	0.2135
95	3.4987	0.8284	0.6216	0.2420	1.0751	1.4920	0.2961	1.2126	1.5678	0.2502
100	5.6186	0.8262	0.5874	0.2316	1.1056	1.5130	0.4946	1.1747	1.5503	0.4460
105	1.1374	0.8241	0.5528	0.2206						
110	1.1550	0.8221	0.5178	0.2089						
115	1.1621	0.8203	0.4824	0.1966						
120	1.1578	0.8186	0.4466	0.1838						
125	1.1414	0.8171	0.4106	0.1704						
130	1.1120	0.8157	0.3742	0.1565						
135	1.0691	0.8144	0.3376	0.1422						
140	1.0121	0.8133	0.3007	0.1275						
145	0.9404	0.8123	0.2636	0.1124						
150	0.8536	0.8115	0.2263	0.0969						
155	0.7512	0.8107	0.1888	0.0812						
160	0.6331	0.8101	0.1512	0.0653						
165	0.4990	0.8097	0.1135	0.0491						
170	0.3487	0.8093	0.0757	0.0328						
175	0.1824	0.8091	0.0379	0.0164						
180	0.	0.8091	0.	0.						

GAMMA = 0.

ALPHA = 11.000

K = 1.200

THETA	SE	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9028	1.1364	0.2882	0.9028	1.1364	0.2882			
5	0.9933	0.8968	1.1139	0.2907	0.9091	1.1582	0.2853	2.4427	2.4873	16.3444
10	1.0150	0.8910	1.0908	0.2928	0.9157	1.1794	0.2820	2.0577	2.1315	5.5384
15	1.0564	0.8855	1.0671	0.2943	0.9226	1.1999	0.2785	1.8633	1.9619	2.8902
20	1.1145	0.8802	1.0427	0.2953	0.9298	1.2199	0.2747	1.7371	1.8577	1.8030
25	1.1875	0.8751	1.0176	0.2957	0.9374	1.2392	0.2709	1.6454	1.7860	1.2428
30	1.2742	0.8703	0.9920	0.2954	0.9454	1.2580	0.2671	1.5740	1.7332	0.9143
35	1.3734	0.8656	0.9657	0.2946	0.9538	1.2768	0.2634	1.5158	1.6923	0.7053
40	1.4848	0.8612	0.9387	0.2930	0.9627	1.2941	0.2602	1.4667	1.6595	0.5646
45	1.6087	0.8569	0.9112	0.2908	0.9723	1.3114	0.2576	1.4240	1.6323	0.4666
50	1.7463	0.8528	0.8830	0.2878	0.9825	1.3284	0.2560	1.3859	1.6092	0.3969
55	1.9010	0.8489	0.8543	0.2842	0.9936	1.3451	0.2561	1.3512	1.5889	0.3473
60	2.0799	0.8452	0.8250	0.2798	1.0058	1.3617	0.2589	1.3187	1.5707	0.3136
65	2.2984	0.8417	0.7951	0.2747	1.0195	1.3784	0.2665	1.2876	1.5538	0.2941
70	2.5928	0.8383	0.7647	0.2689	1.0354	1.3956	0.2834	1.2566	1.5374	0.2909
75	3.0754	0.8351	0.7337	0.2624	1.0550	1.4143	0.3233	1.2238	1.5203	0.3160
80	4.3872	0.8321	0.7023	0.2552	1.0832	1.4373	0.4653	1.1841	1.4993	0.4473
85	1.0174	0.8292	0.6703	0.2473						
90	1.0700	0.8265	0.6379	0.2387						
95	1.1154	0.8240	0.6050	0.2294						
100	1.1527	0.8216	0.5717	0.2195						
105	1.1809	0.8193	0.5380	0.2090						
110	1.1991	0.8172	0.5039	0.1979						
115	1.2063	0.8153	0.4695	0.1863						
120	1.2018	0.8135	0.4347	0.1741						
125	1.1846	0.8119	0.3996	0.1614						
130	1.1540	0.8104	0.3642	0.1483						
135	1.1095	0.8090	0.3285	0.1347						
140	1.0502	0.8078	0.2926	0.1207						
145	0.9758	0.8067	0.2565	0.1064						
150	0.8856	0.8058	0.2202	0.0918						
155	0.7794	0.8050	0.1838	0.0769						
160	0.6568	0.8044	0.1472	0.0618						
165	0.5176	0.8039	0.1105	0.0465						
170	0.3618	0.8036	0.0737	0.0311						
175	0.1892	0.8034	0.0369	0.0156						
180	0.	0.8033	0.	0.						

GAMMA = 0.

ALPHA = 11.000

K = 1.400

DC	2.4213	XR	1.1247	BR	-1.421731	TR	70.35	CR	1.2279	QR	0.4126E 02
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9051	1.1136	0.2800	0.9051	1.1136	0.2800				
5	0.9950	0.8985	1.0913	0.2818	0.9122	1.1352	0.2779	2.3503	2.3931	15.1327	
10	1.0204	0.8921	1.0685	0.2833	0.9196	1.1563	0.2757	1.9801	2.0511	5.1304	
15	1.0675	0.8860	1.0450	0.2843	0.9274	1.1768	0.2734	1.7925	1.8874	2.6825	
20	1.1341	0.8802	1.0210	0.2849	0.9357	1.1968	0.2711	1.6706	1.7867	1.6797	
25	1.2185	0.8747	0.9964	0.2849	0.9444	1.2164	0.2691	1.5816	1.7171	1.1648	
30	1.3202	0.8694	0.9711	0.2844	0.9538	1.2356	0.2677	1.5119	1.6654	0.8646	
35	1.4395	0.8643	0.9452	0.2833	0.9639	1.2542	0.2672	1.4545	1.6249	0.6753	
40	1.5781	0.8595	0.9188	0.2816	0.9748	1.2727	0.2681	1.4054	1.5919	0.5502	
45	1.7407	0.8549	0.8917	0.2793	0.9868	1.2910	0.2714	1.3620	1.5640	0.4661	
50	1.9372	0.8505	0.8641	0.2763	1.0001	1.3095	0.2787	1.3223	1.5394	0.4111	
55	2.1905	0.8464	0.8359	0.2727	1.0154	1.3283	0.2935	1.2847	1.5169	0.3807	
60	2.5820	0.8424	0.8072	0.2684	1.0338	1.3484	0.3248	1.2472	1.4951	0.3788	
65	3.2920	0.8386	0.7779	0.2634	1.0580	1.3714	0.4075	1.2066	1.4716	0.4368	
70	0.8561	0.8350	0.7481	0.2578							
75	0.9262	0.8316	0.7178	0.2514							
80	0.9920	0.8284	0.6870	0.2445							
85	1.0525	0.8253	0.6557	0.2368							
90	1.1066	0.8224	0.6239	0.2285							
95	1.1534	0.8197	0.5918	0.2196							
100	1.1917	0.8172	0.5592	0.2101							
105	1.2207	0.8148	0.5262	0.2000							
110	1.2392	0.8126	0.4928	0.1894							
115	1.2465	0.8106	0.4591	0.1782							
120	1.2416	0.8087	0.4251	0.1665							
125	1.2237	0.8069	0.3907	0.1544							
130	1.1921	0.8054	0.3561	0.1418							
135	1.1459	0.8039	0.3212	0.1288							
140	1.0846	0.8027	0.2861	0.1155							
145	1.0077	0.8016	0.2508	0.1018							
150	0.9145	0.8006	0.2153	0.0878							
155	0.8048	0.7998	0.1797	0.0735							
160	0.6782	0.7991	0.1439	0.0591							
165	0.5345	0.7986	0.1080	0.0445							
170	0.3735	0.7982	0.0720	0.0297							
175	0.1953	0.7980	0.0360	0.0149							
180	0.	0.7979	0.	0.							

GAMMA = 0.

ALPHA = 11.000

K = 1.600

DC	2.4684	XR	1.1203	BR	1.385047	TR	61.18	CR	1.0674	QR	0.3193E 02
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9071	1.0953	0.2749	0.9071	1.0953	0.2749				
5	0.9968	0.8997	1.0732	0.2758	0.9148	1.1170	0.2738	2.2732	2.3147	14.1558	
10	1.0263	0.8928	1.0506	0.2766	0.9231	1.1381	0.2728	1.9147	1.9834	4.8034	
15	1.0802	0.8862	1.0272	0.2771	0.9318	1.1588	0.2720	1.7332	1.8250	2.5177	
20	1.1567	0.8799	1.0034	0.2772	0.9412	1.1791	0.2718	1.6147	1.7271	1.5841	
25	1.2652	0.8740	0.9790	0.2768	0.9513	1.1991	0.2724	1.5277	1.6589	1.1070	
30	1.3764	0.8683	0.9541	0.2760	0.9622	1.2188	0.2745	1.4589	1.6078	0.8311	
35	1.5238	0.8629	0.9285	0.2747	0.9742	1.2385	0.2789	1.4016	1.5672	0.6602	
40	1.7055	0.8578	0.9024	0.2728	0.9876	1.2582	0.2874	1.3517	1.5333	0.5517	
45	1.9402	0.8529	0.8758	0.2704	1.0029	1.2785	0.3032	1.3062	1.5036	0.4866	
50	2.2773	0.8482	0.8485	0.2673	1.0213	1.2999	0.3347	1.2628	1.4761	0.4604	
55	2.8940	0.8438	0.8208	0.2636	1.0450	1.3243	0.4113	1.2177	1.4480	0.4953	
60	5.7693	0.8396	0.7925	0.2593	1.0861	1.3597	0.8672	1.1584	1.4106	0.9209	
65	0.8083	0.8356	0.7637	0.2544							
70	0.8836	0.8318	0.7344	0.2488							
75	0.9555	0.8282	0.7045	0.2426							
80	1.0231	0.8248	0.6743	0.2358							
85	1.0851	0.8216	0.6435	0.2284							
90	1.1406	0.8186	0.6123	0.2203							
95	1.1885	0.8157	0.5807	0.2117							
100	1.2278	0.8131	0.5487	0.2025							
105	1.2573	0.8106	0.5163	0.1927							
110	1.2762	0.8083	0.4835	0.1825							
115	1.2835	0.8061	0.4504	0.1717							
120	1.2783	0.8041	0.4170	0.1604							
125	1.2597	0.8023	0.3833	0.1487							
130	1.2269	0.8007	0.3494	0.1365							
135	1.1793	0.7992	0.3151	0.1240							
140	1.1161	0.7979	0.2807	0.1111							
145	1.0368	0.7967	0.2460	0.0979							
150	0.9409	0.7957	0.2112	0.0845							
155	0.8279	0.7948	0.1762	0.0708							
160	0.6977	0.7941	0.1411	0.0569							
165	0.5498	0.7936	0.1059	0.0428							
170	0.3842	0.7932	0.0707	0.0286							
175	0.2009	0.7930	0.0353	0.0143							
180	0.	0.7929	0.	0.							

GAMMA = 0.

ALPHA = 11.000

K = 1.800

DC = 2.5102		XR = 1.1170		BR = 1.355725		TR = .54.15		CR = 0.9451		QR = 0.2598E 02	
THETA	S0	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9988	1.0805	0.2719	0.9087	1.0805	0.2719				
5	0.9988	0.9808	1.0583	0.2719	0.9172	1.1022	0.2720	2.2071	2.2473	13.3477	
10	1.0327	0.8933	1.0356	0.2719	0.9262	1.1235	0.2725	1.8590	1.9257	4.5339	
15	1.0944	0.8682	1.0124	0.2718	0.9359	1.1466	0.2736	1.6824	1.7715	2.3640	
20	1.1827	0.8395	0.9887	0.2714	0.9465	1.1653	0.2759	1.5665	1.6757	1.5089	
25	1.2994	0.8331	0.9645	0.2706	0.9580	1.1859	0.2801	1.4808	1.6085	1.0645	
30	1.4455	0.8672	0.9398	0.2695	0.9707	1.2066	0.2874	1.4124	1.5574	0.8111	
35	1.6344	0.8814	0.9146	0.2679	0.9851	1.2276	0.3001	1.3544	1.5161	0.6595	
40	1.8598	0.8959	0.8887	0.2658	1.0018	1.2495	0.3233	1.3025	1.4804	0.5732	
45	2.2093	0.8508	0.8623	0.2631	1.0225	1.2732	0.3710	1.2529	1.4474	0.5451	
50	3.1357	0.8469	0.8354	0.2600	1.0512	1.3021	0.5083	1.1999	1.4126	0.6285	
55	0.8921	0.8912	0.8080	0.2562							
60	0.7529	0.8988	0.7800	0.2519							
65	0.8924	0.8936	0.7516	0.2470							
70	0.9695	0.8986	0.7227	0.2415							
75	0.9832	0.8959	0.6933	0.2354							
80	1.0523	0.8923	0.6634	0.2287							
85	1.1157	0.8889	0.6331	0.2214							
90	1.1725	0.8848	0.6024	0.2135							
95	1.2214	0.8819	0.5713	0.2051							
100	1.2614	0.8801	0.5398	0.1951							
105	1.2914	0.8805	0.5079	0.1866							
110	1.3106	0.8841	0.4756	0.1766							
115	1.3178	0.8819	0.4431	0.1662							
120	1.3122	0.8798	0.4102	0.1552							
125	1.2929	0.8780	0.3770	0.1439							
130	1.2591	0.8763	0.3436	0.1321							
135	1.2101	0.8767	0.3099	0.1200							
140	1.1451	0.8793	0.2760	0.1075							
145	1.0637	0.8791	0.2420	0.0947							
150	0.9652	0.8791	0.2077	0.0817							
155	0.8499	0.8792	0.1733	0.0684							
160	0.7156	0.8786	0.1388	0.0550							
165	0.5639	0.8789	0.1042	0.0414							
170	0.3941	0.8786	0.0695	0.0276							
175	0.2061	0.8788	0.0348	0.0138							
180	0.	0.8782	0.	0.							

GAMMA = 0.

ALPHA = 11.000

K = 2.000

DC = 2.5478		XR = 1.1143		BR = 1.331738		TR = 48.62		CR = 0.8485		QR = 0.2189E 02	
THETA	S0	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9101	1.0680	0.2705	0.9101	1.0680	0.2705				
5	1.0008	0.9016	1.0457	0.2695	0.9193	1.0900	0.2720	2.1498	2.1890	12.6639	
10	1.0398	0.8935	1.0230	0.2687	0.9292	1.1116	0.2742	1.8104	1.8754	4.3080	
15	1.1102	0.8860	0.9999	0.2679	0.9399	1.1331	0.2776	1.6379	1.7248	2.2738	
20	1.2123	0.8789	0.9763	0.2669	0.9516	1.1544	0.2832	1.5241	1.6307	1.4494	
25	1.3494	0.8721	0.9522	0.2657	0.9647	1.1760	0.2922	1.4392	1.5640	1.0346	
30	1.5318	0.8658	0.9276	0.2642	0.9796	1.1980	0.3074	1.3705	1.5124	0.8036	
35	1.7864	0.8598	0.9025	0.2623	0.9970	1.2210	0.3346	1.3109	1.4695	0.6758	
40	2.1946	0.8541	0.8768	0.2600	1.0187	1.2464	0.3909	1.2551	1.4307	0.6288	
45	3.1718	0.8487	0.8507	0.2572	1.0499	1.2780	0.5632	1.1959	1.3901	0.7296	
50	0.6085	0.8435	0.8241	0.2539							
55	0.6914	0.8387	0.7969	0.2501							
60	0.7741	0.8341	0.7693	0.2457							
65	0.8553	0.8297	0.7412	0.2408							
70	0.9341	0.8256	0.7126	0.2353							
75	1.0093	0.8217	0.6836	0.2292							
80	1.0799	0.8180	0.6541	0.2226							
85	1.1446	0.8145	0.6242	0.2155							
90	1.2024	0.8113	0.5938	0.2078							
95	1.2522	0.8082	0.5631	0.1995							
100	1.2928	0.8053	0.5320	0.1907							
105	1.3234	0.8027	0.5005	0.1814							
110	1.3427	0.8002	0.4687	0.1717							
115	1.3498	0.7979	0.4366	0.1615							
120	1.3439	0.7958	0.4042	0.1508							
125	1.3239	0.7938	0.3715	0.1397							
130	1.2891	0.7921	0.3386	0.1283							
135	1.2388	0.7905	0.3054	0.1165							
140	1.1721	0.7891	0.2720	0.1044							
145	1.0887	0.7878	0.2384	0.0920							
150	0.9878	0.7868	0.2047	0.0793							
155	0.8691	0.7858	0.1708	0.0664							
160	0.7322	0.7851	0.1368	0.0534							
165	0.5770	0.7845	0.1026	0.0402							
170	0.4032	0.7841	0.0685	0.0268							
175	0.2109	0.7839	0.0342	0.0134							
180	0.	0.7838	0.	0.							

GAMMA=0. ALPHA=11.000 K= 2.20

DC= 2.5821 XR= 1.11209 BR= 1.31175
TR=44.1310 CR= 0.77023 QR=18.90201

THETA	ST	X1	B1	S1
0	1.0000	0.9113	1.0575	0.2704
5	1.0029	0.9022	1.0351	0.2683
10	1.0474	0.8936	1.0123	0.2665
15	1.1278	0.8856	0.9891	0.2650
20	1.2461	0.8781	0.9655	0.2635
25	1.4102	0.8711	0.9415	0.2618
30	1.6428	0.8644	0.9169	0.2599
35	2.0124	0.8581	0.8920	0.2577
40	2.8405	0.8522	0.8665	0.2552
45	0.5412	0.8465	0.8406	0.2522
50	0.6253	0.8412	0.8141	0.2488
55	0.7100	0.8362	0.7872	0.2448
60	0.7943	0.8314	0.7599	0.2404
65	0.8772	0.8269	0.7320	0.2355
70	0.9576	0.8226	0.7037	0.2300
75	1.0342	0.8186	0.6750	0.2240
80	1.1060	0.8148	0.6458	0.2174
85	1.1719	0.8112	0.6162	0.2103
90	1.2307	0.8078	0.5863	0.2027
95	1.2813	0.8047	0.5559	0.1946
100	1.3225	0.8017	0.5252	0.1860
105	1.3534	0.7990	0.4941	0.1769
110	1.3729	0.7964	0.4627	0.1674
115	1.3799	0.7941	0.4309	0.1574
120	1.3736	0.7919	0.3989	0.1470
125	1.3629	0.7899	0.3666	0.1362
130	1.3172	0.7881	0.3341	0.1250
135	1.2656	0.7865	0.3014	0.1135
140	1.1974	0.7850	0.2684	0.1017
145	1.1120	0.7838	0.2353	0.0896
150	1.0089	0.7826	0.2019	0.0772
155	0.8878	0.7817	0.1685	0.0647
160	0.7478	0.7810	0.1349	0.0520
165	0.5892	0.7804	0.1013	0.0391
170	0.4118	0.7799	0.0676	0.0261
175	0.2153	0.7797	0.0338	0.0131
180	0.	0.7796	0.	0.

GAMMA=0. ALPHA=11.000 K= 3.00

DC= 2.6956 XR= 1.10621 BR= 1.25670
TR=32.3015 CR= 0.56377 QR=12.23613

THETA	ST	X1	B1	S1
0	1.0000	0.9149	1.0277	0.2774
5	1.0127	0.9035	1.0042	0.2700
10	1.0849	0.8931	0.9807	0.2643
15	1.2187	0.8835	0.9571	0.2597
20	1.4393	0.8746	0.9333	0.2558
25	1.8406	0.8664	0.9093	0.2522
30	3.0943	0.8587	0.8849	0.2488
35	0.4218	0.8515	0.8602	0.2454
40	0.5079	0.8447	0.8351	0.2418
45	0.5967	0.8383	0.8096	0.2381
50	0.6870	0.8323	0.7838	0.2340
55	0.7778	0.8267	0.7575	0.2297
60	0.8680	0.8214	0.7309	0.2250
65	0.9564	0.8163	0.7038	0.2198
70	1.0419	0.8116	0.6764	0.2143
75	1.1233	0.8072	0.6485	0.2083
80	1.1993	0.8030	0.6203	0.2019
85	1.2690	0.7991	0.5917	0.1950
90	1.3309	0.7954	0.5628	0.1878
95	1.3840	0.7920	0.5335	0.1800
100	1.4270	0.7888	0.5039	0.1719
105	1.4590	0.7858	0.4740	0.1633
110	1.4787	0.7830	0.4437	0.1544
115	1.4851	0.7804	0.4132	0.1451
120	1.4772	0.7781	0.3825	0.1354
125	1.4542	0.7759	0.3515	0.1253
130	1.4150	0.7740	0.3202	0.1150
135	1.3588	0.7722	0.2888	0.1043
140	1.2850	0.7707	0.2572	0.0934
145	1.1929	0.7693	0.2254	0.0823
150	1.0820	0.7681	0.1935	0.0705
155	0.9516	0.7671	0.1614	0.0594
160	0.8016	0.7663	0.1293	0.0477
165	0.6315	0.7657	0.0970	0.0359
170	0.4412	0.7652	0.0647	0.0240
175	0.2307	0.7649	0.0324	0.0120
180	0.	0.7648	0.	0.

GAMMA=0. ALPHA=11.000 K= 2.60

DC= 2.6428 XR= 1.10870 BR= 1.28031
TR=37.2869 CR= 0.65078 QR=14.85219

THETA	ST	X1	B1	S1
0	1.0000	0.9133	1.0406	0.2727
5	1.0077	0.9030	1.0177	0.2681
10	1.0849	0.8935	0.9946	0.2644
15	1.1688	0.8847	0.9713	0.2614
20	1.3289	0.8765	0.9476	0.2587
25	1.5740	0.8688	0.9236	0.2561
30	2.0070	0.8616	0.8992	0.2534
35	3.3524	0.8548	0.8744	0.2506
40	0.4841	0.8484	0.8492	0.2476
45	0.5698	0.8424	0.8236	0.2442
50	0.6571	0.8367	0.7975	0.2405
55	0.7451	0.8313	0.7709	0.2363
60	0.8325	0.8262	0.7440	0.2318
65	0.9183	0.8215	0.7166	0.2267
70	1.0014	0.8169	0.6887	0.2212
75	1.0806	0.8127	0.6605	0.2153
80	1.1547	0.8087	0.6318	0.2086
85	1.2226	0.8049	0.6028	0.2019
90	1.2831	0.8014	0.5734	0.1944
95	1.3350	0.7981	0.5436	0.1866
100	1.3873	0.7950	0.5135	0.1782
105	1.4088	0.7922	0.4831	0.1694
110	1.4284	0.7894	0.4523	0.1602
115	1.4352	0.7870	0.4213	0.1506
120	1.4281	0.7847	0.3899	0.1406
125	1.4062	0.7826	0.3584	0.1302
130	1.3687	0.7807	0.3265	0.1195
135	1.3147	0.7790	0.2945	0.1084
140	1.2436	0.7775	0.2623	0.0971
145	1.1547	0.7762	0.2299	0.0856
150	1.0474	0.7750	0.1973	0.0738
155	0.9214	0.7741	0.1646	0.0618
160	0.7762	0.7733	0.1318	0.0496
165	0.6115	0.7727	0.0990	0.0373
170	0.4273	0.7722	0.0660	0.0249
175	0.2234	0.7720	0.0330	0.0125
180	0.	0.7719	0.	0.

GAMMA=0. ALPHA=11.000 K= 4.00

DC= 2.8043 XR= 1.10215 BR= 1.21726
TR=24.2383 CR= 0.42304 QR= 8.50706

THETA	ST	X1	B1	S1
0	1.0000	0.9176	1.0055	0.2954
5	1.0281	0.9036	0.9802	0.2796
10	1.1493	0.8911	0.9556	0.2682
15	1.4000	0.8799	0.9312	0.2596
20	2.0069	0.8696	0.9069	0.2526
25	0.2957	0.8602	0.8825	0.2467
30	0.3804	0.8515	0.8580	0.2415
35	0.4698	0.8434	0.8334	0.2367
40	0.5626	0.8358	0.8084	0.2320
45	0.6579	0.8288	0.7833	0.2273
50	0.7545	0.8222	0.7578	0.2226
55	0.8513	0.8160	0.7320	0.2177
60	0.9472	0.8102	0.7059	0.2126
65	1.0410	0.8047	0.6794	0.2072
70	1.1314	0.7996	0.6526	0.2015
75	1.2172	0.7948	0.6255	0.1955
80	1.2973	0.7903	0.5981	0.1891
85	1.3703	0.7861	0.5703	0.1824
90	1.4351	0.7821	0.5423	0.1753
95	1.4903	0.7785	0.5139	0.1679
100	1.5348	0.7750	0.4853	0.1601
105	1.5675	0.7718	0.4563	0.1520
110	1.5871	0.7689	0.4271	0.1435
115	1.5925	0.7662	0.3977	0.1347
120	1.5828	0.7637	0.3680	0.1256
125	1.5570	0.7614	0.3381	0.1162
130	1.5140	0.7593	0.3081	0.1066
135	1.4531	0.7574	0.2778	0.0966
140	1.3735	0.7558	0.2473	0.0865
145	1.2743	0.7543	0.2168	0.0761
150	1.1555	0.7531	0.1860	0.0656
155	1.0160	0.7520	0.1552	0.0549
160	0.8556	0.7511	0.1243	0.0441
165	0.6739	0.7505	0.0933	0.0332
170	0.4708	0.7500	0.0622	0.0222
175	0.2462	0.7497	0.0311	0.0111
180	0.	0.7496	0.	0.

GAMMA=0. ALPHA=11.000 K= 6.00

DC= 2.9653 XR= 1.09805 BR= 1.17638
TR=16.1914 CR= 0.28259 QR= 5.29944

THETA	ST	X1	B1	S1
0	1.0000	0.9207	0.9816	0.3433
5	1.0703	0.9018	0.9524	0.3062
10	1.3693	0.8858	0.9252	0.2823
15	2.9139	0.8718	0.8990	0.2655
20	0.2656	0.8594	0.8735	0.2529
25	0.3565	0.8462	0.8484	0.2429
30	0.4526	0.8381	0.8235	0.2346
35	0.5528	0.8287	0.7986	0.2274
40	0.6561	0.8201	0.7737	0.2209
45	0.7613	0.8121	0.7488	0.2148
50	0.8674	0.8047	0.7237	0.2089
55	0.9731	0.7978	0.6984	0.2032
60	1.0773	0.7914	0.6729	0.1974
65	1.1788	0.7854	0.6471	0.1916
70	1.2763	0.7798	0.6212	0.1856
75	1.3684	0.7745	0.5950	0.1794
80	1.4540	0.7696	0.5686	0.1731
85	1.5316	0.7650	0.5419	0.1665
90	1.6000	0.7607	0.5149	0.1596
95	1.6579	0.7568	0.4878	0.1525
100	1.7039	0.7530	0.4604	0.1451
105	1.7370	0.7496	0.4328	0.1375
110	1.7558	0.7464	0.4049	0.1296
115	1.7593	0.7435	0.3769	0.1215
120	1.7462	0.7408	0.3487	0.1131
125	1.7156	0.7386	0.3202	0.1046
130	1.6665	0.7362	0.2917	0.0958
135	1.5980	0.7342	0.2630	0.0868
140	1.5092	0.7324	0.2341	0.0776
145	1.3994	0.7308	0.2051	0.0683
150	1.2679	0.7295	0.1760	0.0588
155	1.1142	0.7284	0.1468	0.0492
160	0.9379	0.7275	0.1175	0.0395
165	0.7385	0.7267	0.0882	0.0297
170	0.5158	0.7262	0.0588	0.0198
175	0.2897	0.7259	0.0294	0.0099
180	0.	0.7258	0.	0.

GAMMA=0. ALPHA=11.000 K= 8.00

DC= 3.0867 XR= 1.09598 BR= 1.15536
TR=12.1630 CR= 0.21229 QR= 3.85363

THETA	ST	X1	B1	S1
0	1.0000	0.9224	0.9690	0.3975
5	1.1313	0.8989	0.9358	0.3341
10	1.9256	0.8800	0.9060	0.2971
15	0.2148	0.8639	0.8782	0.2727
20	0.3094	0.8499	0.8516	0.2552
25	0.4098	0.8375	0.8258	0.2418
30	0.5147	0.8263	0.8005	0.2311
35	0.6233	0.8161	0.7754	0.2220
40	0.7344	0.8068	0.7504	0.2141
45	0.8471	0.7982	0.7255	0.2070
50	0.9601	0.7902	0.7006	0.2003
55	1.0724	0.7829	0.6756	0.1939
60	1.1827	0.7761	0.6505	0.1877
65	1.2897	0.7697	0.6253	0.1815
70	1.3921	0.7638	0.5998	0.1753
75	1.4887	0.7582	0.5742	0.1691
80	1.5779	0.7531	0.5485	0.1627
85	1.6586	0.7482	0.5225	0.1561
90	1.7292	0.7438	0.4963	0.1494
95	1.7886	0.7396	0.4699	0.1425
100	1.8354	0.7357	0.4434	0.1354
105	1.8683	0.7321	0.4167	0.1281
110	1.8861	0.7288	0.3897	0.1206
115	1.8875	0.7258	0.3627	0.1129
120	1.8715	0.7230	0.3354	0.1050
125	1.8370	0.7205	0.3080	0.0970
130	1.7828	0.7182	0.2805	0.0887
135	1.7082	0.7161	0.2528	0.0803
140	1.6122	0.7143	0.2250	0.0718
145	1.4940	0.7127	0.1971	0.0631
150	1.3530	0.7113	0.1691	0.0543
155	1.1866	0.7101	0.1411	0.0454
160	1.0001	0.7091	0.1129	0.0364
165	0.7873	0.7084	0.0842	0.0275
170	0.5498	0.7079	0.0565	0.0188
175	0.2874	0.7076	0.0283	0.0092
180	0.	0.7075	0.	0.

GAMMA=0. ALPHA=11.000 K= 10.00

DC= 3.1860 XR= 1.09474 BR= 1.14255
TR= 9.7417 CR= 0.17002 QR= 3.02920

THETA	ST	X1	B1	S1
0	1.0000	0.9235	0.9612	0.4544
5	1.2175	0.8957	0.9240	0.3605
10	0.1488	0.8742	0.8920	0.3105
15	0.2458	0.8564	0.8628	0.2792
20	0.3490	0.8412	0.8353	0.2574
25	0.4571	0.8278	0.8088	0.2413
30	0.5693	0.8158	0.7831	0.2286
35	0.6846	0.8050	0.7578	0.2181
40	0.8021	0.7952	0.7328	0.2092
45	0.9207	0.7862	0.7080	0.2012
50	1.0393	0.7779	0.6832	0.1939
55	1.1568	0.7702	0.6584	0.1871
60	1.2718	0.7631	0.6336	0.1805
65	1.3831	0.7565	0.6087	0.1741
70	1.4893	0.7503	0.5836	0.1678
75	1.5890	0.7446	0.5585	0.1614
80	1.6810	0.7393	0.5332	0.1550
85	1.7638	0.7343	0.5078	0.1485
90	1.8360	0.7297	0.4822	0.1419
95	1.8964	0.7254	0.4564	0.1351
100	1.9434	0.7214	0.4305	0.1282
105	1.9759	0.7177	0.4044	0.1212
110	1.9925	0.7143	0.3782	0.1139
115	1.9921	0.7112	0.3518	0.1066
120	1.9734	0.7084	0.3253	0.0990
125	1.9354	0.7058	0.2987	0.0914
130	1.8771	0.7034	0.2719	0.0835
135	1.7973	0.7013	0.2451	0.0756
140	1.6954	0.6994	0.2181	0.0675
145	1.5703	0.6978	0.1911	0.0593
150	1.4215	0.6963	0.1639	0.0510
155	1.2482	0.6951	0.1367	0.0427
160	1.0500	0.6942	0.1094	0.0342
165	0.8264	0.6934	0.0821	0.0257
170	0.5770	0.6929	0.0548	0.0172
175	0.3016	0.6926	0.0274	0.0086
180	0.	0.6924	0.	0.

GAMMA=0. ALPHA=11.000 K= 20.00

DC= 3.85310 XR= 1.09223 BR= 1.11645
TR= 3.8843 CR= 0.06779 QR= 1.46554

THETA	ST	X1	B1	S1
0	1.0000	0.9254	0.9647	0.7415
5	0.1110	0.8798	0.8902	0.4630
10	0.2411	0.8494	0.8498	0.3557
15	0.3722	0.8261	0.8158	0.2989
20	0.5046	0.8071	0.7853	0.2632
25	0.6390	0.7910	0.7570	0.2385
30	0.7752	0.7769	0.7301	0.2201
35	0.9127	0.7644	0.7043	0.2056
40	1.0508	0.7532	0.6791	0.1938
45	1.1884	0.7431	0.6544	0.1837
50	1.3248	0.7339	0.6301	0.1748
55	1.4580	0.7254	0.6060	0.1667
60	1.5873	0.7176	0.5820	0.1593
65	1.7112	0.7104	0.5582	0.1523
70	1.8283	0.7037	0.5344	0.1456
75	1.9371	0.6975	0.5106	0.1391
80	2.0362	0.6918	0.4868	0.1328
85	2.1241	0.6865	0.4630	0.1264
90	2.1995	0.6815	0.4391	0.1202
95	2.2608	0.6770	0.4152	0.1139
100	2.3067	0.6728	0.3913	0.1076
105	2.3359	0.6689	0.3672	0.1013
110	2.3470	0.6653	0.3431	0.0949
115	2.3387	0.6620	0.3190	0.0885
120	2.3098	0.6590	0.2947	0.0820
125	2.2591	0.6562	0.2704	0.0754
130	2.1856	0.6537	0.2461	0.0688
135	2.0882	0.6515	0.2216	0.0621
140	1.9859	0.6496	0.1972	0.0554
145	1.8718	0.6478	0.1726	0.0486
150	1.7432	0.6463	0.1480	0.0417
155	1.6411	0.6451	0.1234	0.0348
160	1.5111	0.6441	0.0988	0.0279
165	0.9524	0.6433	0.0741	0.0210
170	0.6846	0.6427	0.0494	0.0140
175	0.3473	0.6424	0.0247	0.0070
180	0.	0.6423	0.	0.

GAMMA = 0.

ALPHA = 12.000

K = 0.200

DC = 1.17481

X0 = 1.16512

B0 = 2.339771

V2 = -0.2837E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.08020	1.5515	0.5523	0.8820	1.5515	0.6142			
5	0.9988	0.08004	1.5501	0.5556	0.8837	1.5522	0.6100	3.7790	3.8479	39.1142
10	0.9999	0.08033	1.4877	0.5579	0.8854	1.6120	0.6052	3.1839	3.2980	13.2454
15	1.0264	0.08771	1.4544	0.5592	0.8871	1.6410	0.5997	2.8829	3.0354	6.8939
20	1.0651	0.08736	1.4206	0.5595	0.8888	1.6691	0.5937	2.6890	2.8754	4.2745
25	1.1137	0.08740	1.3859	0.5587	0.8906	1.6964	0.5871	2.5491	2.7862	2.9150
30	1.1700	0.08723	1.3503	0.5568	0.8923	1.7229	0.5801	2.4415	2.6868	2.1101
35	1.2345	0.08710	1.3139	0.5538	0.8941	1.7486	0.5726	2.3552	2.6266	1.5910
40	1.3042	0.08693	1.2767	0.5498	0.8958	1.7734	0.5648	2.2840	2.5796	1.2354
45	1.3786	0.08681	1.2388	0.5441	0.8976	1.7975	0.5566	2.2240	2.5421	0.9808
50	1.4567	0.08667	1.2001	0.5375	0.8993	1.8208	0.5483	2.1724	2.5117	0.7922
55	1.5373	0.08654	1.1606	0.5297	0.9011	1.8432	0.5397	2.1276	2.4867	0.6487
60	1.6200	0.08641	1.1204	0.5206	0.9029	1.8649	0.5310	2.0882	2.4659	0.5372
65	1.7033	0.08628	1.0795	0.5103	0.9046	1.8859	0.5221	2.0533	2.4485	0.4490
70	1.7865	0.08616	1.0379	0.4987	0.9063	1.9062	0.5133	2.0222	2.4338	0.3782
75	1.8685	0.08604	0.9957	0.4860	0.9081	1.9255	0.5045	1.9942	2.4213	0.3207
80	1.9487	0.08593	0.9527	0.4720	0.9098	1.9443	0.4958	1.9689	2.4106	0.2735
85	2.0261	0.08582	0.9092	0.4569	0.9116	1.9623	0.4871	1.9460	2.4015	0.2344
90	2.1001	0.08572	0.8651	0.4405	0.9132	1.9796	0.4787	1.9251	2.3937	0.2018
95	2.1698	0.08562	0.8203	0.4231	0.9149	1.9963	0.4704	1.9060	2.3869	0.1745
100	2.2344	0.08553	0.7750	0.4045	0.9165	2.0123	0.4624	1.8885	2.3810	0.1515
105	2.2936	0.08544	0.7292	0.3849	0.9181	2.0277	0.4547	1.8725	2.3759	0.1320
110	2.3465	0.08536	0.6829	0.3642	0.9197	2.0425	0.4474	1.8577	2.3715	0.1154
115	2.3928	0.08528	0.6362	0.3426	0.9213	2.0566	0.4403	1.8440	2.3676	0.1013
120	2.4315	0.08521	0.5890	0.3200	0.9229	2.0702	0.4337	1.8314	2.3643	0.0893
125	2.4628	0.08514	0.5413	0.2966	0.9244	2.0832	0.4275	1.8197	2.3613	0.0791
130	2.4862	0.08508	0.4933	0.2723	0.9259	2.0956	0.4218	1.8089	2.3587	0.0704
135	2.5013	0.08503	0.4450	0.2473	0.9274	2.1075	0.4165	1.7988	2.3565	0.0630
140	2.5081	0.08498	0.3964	0.2216	0.9288	2.1189	0.4117	1.7895	2.3545	0.0568
145	2.5065	0.08493	0.3474	0.1953	0.9302	2.1298	0.4075	1.7807	2.3528	0.0515
150	2.4965	0.08490	0.2983	0.1684	0.9316	2.1402	0.4037	1.7726	2.3512	0.0472
155	2.4782	0.08486	0.2489	0.1412	0.9330	2.1501	0.4006	1.7651	2.3499	0.0437
160	2.4519	0.08484	0.1993	0.1134	0.9343	2.1596	0.3980	1.7580	2.3487	0.0409
165	2.4179	0.08482	0.1496	0.0853	0.9356	2.1687	0.3959	1.7514	2.3477	0.0387
170	2.3766	0.08480	0.0998	0.0570	0.9368	2.1773	0.3944	1.7452	2.3467	0.0373
175	2.3287	0.08479	0.0499	0.0285	0.9380	2.1855	0.3936	1.7395	2.3459	0.0364
180	2.2749	0.08479	0.	0.	0.9392	2.1934	0.3933	1.7341	2.3452	0.0361

GAMMA = 0.

ALPHA = 12.000

K = 0.300

DC = 1.18772

X0 = 1.4803

B0 = 2.112246

V2 = -0.3175E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.08871	1.4344	0.4624	0.8871	1.4344	0.8081			
5	0.9886	0.08850	1.4059	0.4662	0.8893	1.4622	0.8035	3.4147	3.4769	31.9368
10	1.0012	0.08828	1.3765	0.4692	0.8915	1.4897	0.4983	2.8771	2.9802	10.8149
15	1.0292	0.08807	1.3464	0.4713	0.8938	1.5132	0.4926	2.6050	2.7428	5.6290
20	1.0693	0.08787	1.3154	0.4725	0.8961	1.5405	0.4863	2.4298	2.5982	3.4903
25	1.1194	0.08767	1.2837	0.4727	0.8984	1.5630	0.4795	2.3033	2.4996	2.3803
30	1.1778	0.08747	1.2512	0.4720	0.9007	1.5887	0.4723	2.2061	2.4278	1.7232
35	1.2432	0.08728	1.2179	0.4702	0.9031	1.6116	0.4648	2.1282	2.3734	1.2994
40	1.3143	0.08709	1.1838	0.4674	0.9054	1.6337	0.4569	2.0638	2.3309	1.0091
45	1.3900	0.08691	1.1490	0.4635	0.9078	1.6551	0.4487	2.0095	2.2970	0.8014
50	1.4692	0.08674	1.1134	0.4585	0.9102	1.6757	0.4404	1.9629	2.2695	0.6475
55	1.5508	0.08657	1.0771	0.4524	0.9126	1.6935	0.4319	1.9224	2.2469	0.5305
60	1.6338	0.08640	1.0401	0.4453	0.9150	1.7146	0.4233	1.8868	2.2281	0.4396
65	1.7171	0.08624	1.0024	0.4370	0.9174	1.7330	0.4147	1.8552	2.2123	0.3677
70	1.7999	0.08609	0.9640	0.4278	0.9198	1.7507	0.4061	1.8270	2.1990	0.3100
75	1.8811	0.08594	0.9250	0.4171	0.9222	1.7677	0.3975	1.8016	2.1877	0.2632
80	1.9596	0.08580	0.8853	0.4056	0.9246	1.7840	0.3890	1.7787	2.1780	0.2247
85	2.0352	0.08566	0.8450	0.3929	0.9270	1.7996	0.3808	1.7579	2.1697	0.1929
90	2.1064	0.08553	0.8042	0.3792	0.9294	1.8146	0.3724	1.7389	2.1625	0.1664
95	2.1727	0.08541	0.7627	0.3645	0.9317	1.8289	0.3645	1.7215	2.1564	0.1442
100	2.2332	0.08529	0.7208	0.3488	0.9341	1.8427	0.3568	1.7056	2.1510	0.1255
105	2.2872	0.08518	0.6783	0.3321	0.9364	1.8558	0.3494	1.6910	2.1463	0.1096
110	2.3343	0.08508	0.6353	0.3145	0.9387	1.8684	0.3423	1.6775	2.1423	0.0961
115	2.3728	0.08499	0.5919	0.2960	0.9410	1.8803	0.3354	1.6650	2.1387	0.0847
120	2.4042	0.08490	0.5480	0.2767	0.9432	1.8918	0.3291	1.6534	2.1356	0.0749
125	2.4270	0.08481	0.5038	0.2565	0.9455	1.9028	0.3232	1.6427	2.1329	0.0666
130	2.4411	0.08474	0.4592	0.2357	0.9476	1.9132	0.3178	1.6327	2.1305	0.0595
135	2.4460	0.08467	0.4142	0.2141	0.9498	1.9232	0.3128	1.6234	2.1284	0.0535
140	2.4417	0.08461	0.3690	0.1919	0.9520	1.9327	0.3082	1.6148	2.1266	0.0484
145	2.4281	0.08456	0.3234	0.1692	0.9541	1.9418	0.3042	1.6067	2.1249	0.0441
150	2.4053	0.08451	0.2777	0.1460	0.9561	1.9504	0.3007	1.5992	2.1235	0.0406
155	2.3734	0.08447	0.2317	0.1223	0.9581	1.9586	0.2977	1.5921	2.1222	0.0377
160	2.3327	0.08444	0.1856	0.0983	0.9601	1.9664	0.2953	1.5855	2.1211	0.0354
165	2.2836	0.08441	0.1393	0.0740	0.9621	1.9738	0.2933	1.5794	2.1201	0.0337
170	2.2267	0.08439	0.0929	0.0494	0.9640	1.9809	0.2919	1.5736	2.1192	0.0325
175	2.1625	0.08438	0.0465	0.0248	0.9659	1.9876	0.2911	1.5682	2.1185	0.0318
180	2.0919	0.08438	0.	0.	0.9677	1.9940	0.2908	1.5631	2.1178	0.0315

GAMMA = 0.

ALPHA = 12.000

K = 0.400

DC = 1.9702 XO = 1.3478 BO = 1.961107 V2 = -0.2747E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8911	1.3601	0.4095	0.8911	1.3601	0.4428			
5	0.9890	0.8885	1.3334	0.4136	0.8938	1.3859	0.4380	3.1778	3.2357	27.6583
10	1.0624	0.8859	1.3059	0.4169	0.8965	1.4110	0.4326	2.6773	2.7733	9.3665
15	1.0313	0.8834	1.2777	0.4195	0.8993	1.4353	0.4267	2.4242	2.5525	4.8753
20	1.0725	0.8809	1.2486	0.4211	0.9021	1.4588	0.4203	2.2612	2.4179	3.0232
25	1.1238	0.8785	1.2188	0.4219	0.9049	1.4815	0.4134	2.1435	2.3261	2.0621
30	1.1834	0.8762	1.1882	0.4218	0.9078	1.5034	0.4062	2.0530	2.2593	1.4931
35	1.2500	0.8739	1.1568	0.4208	0.9107	1.5246	0.3986	1.9804	2.2087	1.1263
40	1.3224	0.8717	1.1247	0.4187	0.9137	1.5450	0.3907	1.9205	2.1691	0.8752
45	1.3992	0.8695	1.0919	0.4157	0.9167	1.5646	0.3826	1.8699	2.1375	0.6955
50	1.4793	0.8674	1.0583	0.4117	0.9197	1.5835	0.3742	1.8265	2.1119	0.5626
55	1.5617	0.8654	1.0240	0.4066	0.9227	1.6017	0.3658	1.7887	2.0907	0.4615
60	1.6452	0.8635	0.9890	0.4006	0.9258	1.6191	0.3573	1.7554	2.0732	0.3830
65	1.7287	0.8616	0.9533	0.3935	0.9288	1.6358	0.3487	1.7259	2.0584	0.3210
70	1.8113	0.8598	0.9170	0.3853	0.9319	1.6519	0.3402	1.6995	2.0459	0.2712
75	1.8920	0.8580	0.8800	0.3762	0.9350	1.6672	0.3317	1.6757	2.0353	0.2309
80	1.9697	0.8564	0.8424	0.3660	0.9381	1.6819	0.3234	1.6542	2.0262	0.1978
85	2.0435	0.8548	0.8041	0.3548	0.9412	1.6960	0.3152	1.6346	2.0184	0.1704
90	2.1126	0.8533	0.7654	0.3427	0.9443	1.7094	0.3072	1.6168	2.0116	0.1476
95	2.1760	0.8519	0.7260	0.3295	0.9474	1.7223	0.2994	1.6004	2.0057	0.1285
100	2.2331	0.8505	0.6861	0.3155	0.9505	1.7349	0.2918	1.5853	2.0006	0.1124
105	2.2831	0.8492	0.6458	0.3005	0.9536	1.7462	0.2846	1.5714	1.9962	0.0987
110	2.3253	0.8480	0.6049	0.2847	0.9566	1.7573	0.2777	1.5585	1.9923	0.0872
115	2.3592	0.8469	0.5636	0.2681	0.9597	1.7679	0.2712	1.5465	1.9888	0.0773
120	2.3843	0.8459	0.5219	0.2507	0.9628	1.7779	0.2650	1.5354	1.9858	0.0689
125	2.4001	0.8449	0.4798	0.2325	0.9658	1.7875	0.2593	1.5251	1.9831	0.0617
130	2.4063	0.8441	0.4374	0.2136	0.9688	1.7966	0.2540	1.5155	1.9808	0.0556
135	2.4027	0.8433	0.3946	0.1942	0.9718	1.8053	0.2491	1.5064	1.9787	0.0504
140	2.3891	0.8426	0.3515	0.1741	0.9747	1.8135	0.2447	1.4980	1.9769	0.0460
145	2.3655	0.8420	0.3081	0.1535	0.9777	1.8213	0.2408	1.4901	1.9752	0.0424
150	2.3320	0.8414	0.2645	0.1324	0.9806	1.8287	0.2373	1.4827	1.9738	0.0393
155	2.2890	0.8410	0.2208	0.1110	0.9834	1.8357	0.2345	1.4757	1.9725	0.0368
160	2.2365	0.8406	0.1758	0.0892	0.9863	1.8423	0.2321	1.4692	1.9713	0.0349
165	2.1750	0.8403	0.1327	0.0671	0.9891	1.8486	0.2302	1.4630	1.9703	0.0334
170	2.1050	0.8401	0.0885	0.0449	0.9918	1.8545	0.2289	1.4572	1.9694	0.0323
175	2.0275	0.8400	0.0443	0.0225	0.9945	1.8602	0.2281	1.4517	1.9685	0.0317
180	1.9431	0.8399	0.	0.	0.9972	1.8655	0.2278	1.4465	1.9678	0.0315

GAMMA = 0.

ALPHA = 12.000

K = 0.500

DC = 2.0428 XR = 1.1947 BR = 1.841520 TR = 1.79 CR = 6.2520 QR = 0.4473E 05

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8944	1.3073	0.3742	0.8944	1.3073	0.3742			
5	0.9885	0.8913	1.2819	0.3784	0.8975	1.3319	0.3692	3.0051	3.0599	24.7383
10	1.0038	0.8883	1.2558	0.3820	0.9007	1.3557	0.3817	2.5319	2.6226	8.3862
15	1.0331	0.8854	1.2288	0.3847	0.9039	1.3787	0.3741	2.2929	2.4141	4.3671
20	1.0746	0.8826	1.2011	0.3867	0.9072	1.4009	0.3670	2.1385	2.2867	2.7096
25	1.1263	0.8798	1.1726	0.3878	0.9106	1.4224	0.3599	2.0272	2.1999	1.8496
30	1.1864	0.8771	1.1434	0.3881	0.9140	1.4431	0.3526	1.9416	2.1367	1.3406
35	1.2535	0.8745	1.1134	0.3875	0.9175	1.4630	0.3451	1.8729	2.0887	1.0125
40	1.3264	0.8720	1.0827	0.3859	0.9211	1.4822	0.3374	1.8161	2.0513	0.7881
45	1.4037	0.8695	1.0512	0.3835	0.9246	1.5006	0.3294	1.7682	2.0213	0.6276
50	1.4844	0.8671	1.0190	0.3800	0.9283	1.5183	0.3214	1.7270	1.9970	0.5089
55	1.5672	0.8648	0.9861	0.3756	0.9319	1.5353	0.3132	1.6911	1.9769	0.4188
60	1.6511	0.8626	0.9525	0.3703	0.9356	1.5516	0.3050	1.6594	1.9601	0.3488
65	1.7348	0.8605	0.9183	0.3639	0.9394	1.5671	0.2967	1.6313	1.9460	0.2936
70	1.8173	0.8585	0.8834	0.3566	0.9432	1.5820	0.2885	1.6061	1.9341	0.2494
75	1.8976	0.8565	0.8478	0.3483	0.9470	1.5963	0.2804	1.5833	1.9239	0.2135
80	1.9746	0.8547	0.8117	0.3390	0.9509	1.6099	0.2723	1.5626	1.9151	0.1841
85	2.0473	0.8529	0.7749	0.3288	0.9547	1.6228	0.2644	1.5438	1.9075	0.1598
90	2.1149	0.8512	0.7376	0.3177	0.9586	1.6352	0.2567	1.5265	1.9009	0.1396
95	2.1764	0.8496	0.6997	0.3057	0.9626	1.6469	0.2492	1.5105	1.8951	0.1226
100	2.2310	0.8481	0.6614	0.2927	0.9665	1.6581	0.2420	1.4958	1.8901	0.1083
105	2.2780	0.8466	0.6225	0.2790	0.9705	1.6688	0.2351	1.4822	1.8857	0.0963
110	2.3167	0.8453	0.5832	0.2644	0.9744	1.6789	0.2285	1.4695	1.8817	0.0860
115	2.3464	0.8441	0.5434	0.2490	0.9784	1.6884	0.2222	1.4577	1.8783	0.0773
120	2.3667	0.8429	0.5032	0.2329	0.9824	1.6975	0.2163	1.4466	1.8752	0.0698
125	2.3772	0.8419	0.4626	0.2160	0.9864	1.7062	0.2108	1.4362	1.8725	0.0635
130	2.3774	0.8409	0.4217	0.1986	0.9904	1.7143	0.2057	1.4265	1.8700	0.0581
135	2.3672	0.8400	0.3805	0.1805	0.9944	1.7220	0.2011	1.4173	1.8678	0.0535
140	2.3464	0.8392	0.3389	0.1618	0.9984	1.7293	0.1969	1.4086	1.8659	0.0496
145	2.3150	0.8385	0.2972	0.1427	1.0024	1.7362	0.1931	1.4004	1.8641	0.0463
150	2.2730	0.8379	0.2551	0.1232	1.0064	1.7427	0.1899	1.3927	1.8625	0.0436
155	2.2208	0.8374	0.2129	0.1032	1.0104	1.7489	0.1871	1.3853	1.8610	0.0414
160	2.1585	0.8370	0.1705	0.0830	1.0144	1.7547	0.1848	1.3783	1.8597	0.0397
165	2.0868	0.8367	0.1280	0.0624	1.0184	1.7602	0.1830	1.3717	1.8586	0.0383
170	2.0061	0.8364	0.0854	0.0417	1.0224	1.7653	0.1817	1.3653	1.8575	0.0374
175	1.9174	0.8363	0.0427	0.0209	1.0264	1.7702	0.1810	1.3593	1.8565	0.0369
180	1.8213	0.8363	0.	0.	1.0303	1.7748	0.1807	1.3533	1.8556	0.0367

GAMMA = 0.

ALPHA = 12.000

K = 0.600

DC = 2.1022 XR = 1.1677 BR = 1.745039 TR = 140.29 CR = 3.8346 QR = 0.1967E 04										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8971	1.2673	0.3489	0.8971	1.2673	0.3489			
5	0.9991	0.8937	1.2429	0.3532	0.9007	1.2909	0.3439	2.8714	2.9237	22.5825
10	1.0025	0.8903	1.2177	0.3568	0.9043	1.3138	0.3383	2.1412	2.5059	7.6471
15	1.0315	0.8870	1.1917	0.3597	0.9080	1.3359	0.3322	2.1903	2.1302	3.9802
20	1.0726	0.8838	1.1650	0.3618	0.9118	1.3572	0.3256	2.0432	2.1848	2.4684
25	1.1238	0.8807	1.1376	0.3631	0.9157	1.3777	0.3185	1.9368	2.1018	1.6842
30	1.1833	0.8777	1.1093	0.3636	0.9196	1.3975	0.3110	1.8549	2.0414	1.2204
35	1.2495	0.8748	1.0803	0.3633	0.9237	1.4166	0.3031	1.7892	1.9955	0.9216
40	1.3212	0.8720	1.0506	0.3621	0.9278	1.4349	0.2949	1.7349	1.9596	0.7174
45	1.3970	0.8693	1.0202	0.3600	0.9320	1.4525	0.2864	1.6889	1.9309	0.5715
50	1.4755	0.8666	0.9891	0.3569	0.9363	1.4693	0.2777	1.6494	1.9075	0.4636
55	1.5555	0.8641	0.9572	0.3530	0.9406	1.4854	0.2688	1.6148	1.8881	0.3918
60	1.6357	0.8616	0.9247	0.3481	0.9450	1.5009	0.2597	1.5843	1.8719	0.3184
65	1.7149	0.8593	0.8915	0.3423	0.9495	1.5156	0.2506	1.5571	1.8582	0.2683
70	1.7919	0.8571	0.8577	0.3355	0.9540	1.5297	0.2414	1.5326	1.8466	0.2262
75	1.8654	0.8549	0.8233	0.3278	0.9587	1.5432	0.2322	1.5104	1.8366	0.1957
80	1.9342	0.8529	0.7882	0.3192	0.9633	1.5560	0.2231	1.4901	1.8279	0.1690
85	1.9972	0.8509	0.7526	0.3097	0.9681	1.5682	0.2140	1.4716	1.8204	0.1470
90	2.0534	0.8491	0.7164	0.2993	0.9729	1.5798	0.2060	1.4545	1.8138	0.1286
95	2.1016	0.8473	0.6797	0.2881	0.9778	1.5909	0.1961	1.4386	1.8079	0.1131
100	2.1409	0.8457	0.6424	0.2760	0.9827	1.6014	0.1874	1.4239	1.8028	0.1001
105	2.1704	0.8441	0.6047	0.2630	0.9878	1.6113	0.1788	1.4101	1.7982	0.0890
110	2.1890	0.8426	0.5665	0.2493	0.9928	1.6207	0.1705	1.3972	1.7941	0.0795
115	2.1961	0.8413	0.5279	0.2348	0.9980	1.6297	0.1624	1.3850	1.7905	0.0714
120	2.1909	0.8400	0.4889	0.2197	1.0032	1.6381	0.1545	1.3735	1.7872	0.0644
125	2.1728	0.8389	0.4495	0.2038	1.0085	1.6461	0.1469	1.3626	1.7842	0.0584
130	2.1410	0.8378	0.4097	0.1874	1.0139	1.6537	0.1395	1.3522	1.7814	0.0532
135	2.0953	0.8369	0.3697	0.1703	1.0193	1.6609	0.1324	1.3423	1.7789	0.0488
140	2.0351	0.8360	0.3293	0.1528	1.0249	1.6676	0.1257	1.3328	1.7766	0.0449
145	1.9603	0.8353	0.2887	0.1347	1.0305	1.6740	0.1192	1.3237	1.7746	0.0415
150	2.7083	0.8346	0.2479	0.1163	1.0362	1.6801	0.1131	1.3148	1.7725	0.0384
155	2.5659	0.8341	0.2069	0.0974	1.0420	1.6858	0.1074	1.3062	1.7707	0.0352
160	2.4556	0.8336	0.1657	0.0783	1.0480	1.6912	0.1022	1.2979	1.7690	0.0323
165	2.3557	0.8332	0.1244	0.0590	1.0541	1.6963	0.1172	1.2897	1.7673	0.0293
170	2.2588	0.8330	0.0830	0.0394	1.0604	1.7011	0.1686	1.2816	1.7658	0.0261
175	2.1624	0.8328	0.0415	0.0197	1.0668	1.7057	0.1671	1.2736	1.7643	0.0230
180	2.0666	0.8328	0.	0.	1.0735	1.7100	0.1667	1.2656	1.7628	0.0200

GAMMA = 0.

ALPHA = 12.000

K = 0.800

DC = 2.1961 XR = 1.1432 BR = 1.610938 TR = 139.73 CR = 2.4388 QR = 0.2853E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9015	1.2099	0.3153	0.9015	1.2099	0.3153			
5	0.9904	0.8973	1.1868	0.3195	0.9059	1.2323	0.3105	2.16721	2.7208	19.5570
10	1.0062	0.8932	1.1629	0.3231	0.9103	1.2539	0.3052	2.12511	2.3319	6.6229
15	1.0383	0.8893	1.1383	0.3260	0.9149	1.2748	0.2994	2.0384	2.1463	3.4478
20	1.0835	0.8855	1.1130	0.3282	0.9197	1.2949	0.2931	1.9013	2.0331	2.1395
25	1.1396	0.8818	1.0869	0.3296	0.9246	1.3143	0.2864	1.8022	1.9557	1.4616
30	1.2048	0.8782	1.0600	0.3304	0.9296	1.3329	0.2794	1.7258	1.8994	1.0613
35	1.2778	0.8748	1.0325	0.3303	0.9348	1.3509	0.2721	1.6643	1.8564	0.8040
40	1.3569	0.8714	1.0042	0.3294	0.9401	1.3681	0.2645	1.6133	1.8227	0.6285
45	1.4410	0.8682	0.9752	0.3277	0.9455	1.3846	0.2567	1.5700	1.7956	0.5035
50	1.5287	0.8652	0.9456	0.3251	0.9512	1.4004	0.2488	1.5325	1.7733	0.4115
55	1.6187	0.8622	0.9152	0.3217	0.9570	1.4158	0.2407	1.4996	1.7547	0.3419
60	1.7097	0.8594	0.8842	0.3174	0.9629	1.4301	0.2327	1.4703	1.7390	0.2883
65	1.8007	0.8566	0.8526	0.3123	0.9691	1.4440	0.2246	1.4439	1.7256	0.2462
70	1.8905	0.8540	0.8203	0.3062	0.9755	1.4573	0.2167	1.4198	1.7140	0.2127
75	1.9782	0.8516	0.7874	0.2994	0.9820	1.4700	0.2088	1.3978	1.7039	0.1859
80	2.0628	0.8492	0.7540	0.2916	0.9888	1.4821	0.2012	1.3774	1.6949	0.1642
85	2.1438	0.8470	0.7199	0.2830	0.9959	1.4937	0.1938	1.3583	1.6869	0.1466
90	2.2207	0.8448	0.6854	0.2736	1.0032	1.5047	0.1867	1.3403	1.6797	0.1324
95	2.2934	0.8428	0.6503	0.2634	1.0109	1.5153	0.1801	1.3233	1.6731	0.1210
100	2.3624	0.8409	0.6147	0.2524	1.0189	1.5255	0.1740	1.3069	1.6670	0.1119
105	2.4289	0.8392	0.5786	0.2406	1.0274	1.5353	0.1687	1.2910	1.6613	0.1051
110	2.4957	0.8375	0.5421	0.2281	1.0364	1.5447	0.1644	1.2755	1.6559	0.1005
115	2.5682	0.8360	0.5052	0.2149	1.0462	1.5539	0.1615	1.2600	1.6507	0.0981
120	2.6569	0.8346	0.4679	0.2011	1.0568	1.5629	0.1608	1.2443	1.6455	0.0987
125	2.7861	0.8332	0.4302	0.1866	1.0687	1.5719	0.1640	1.2278	1.6402	0.1037
130	3.0213	0.8320	0.3921	0.1716	1.0828	1.5813	0.1756	1.2099	1.6343	0.1174
135	3.6401	0.8310	0.3538	0.1560	1.1011	1.5917	0.2142	1.1882	1.6271	0.1587
140	1.0170	0.8300	0.3152	0.1399						
145	0.9455	0.8291	0.2764	0.1234						
150	0.8586	0.8284	0.2373	0.1065						
155	0.7560	0.8278	0.1980	0.0893						
160	0.6373	0.8273	0.1586	0.0718						
165	0.5024	0.8269	0.1191	0.0540						
170	0.3512	0.8266	0.0794	0.0361						
175	0.1837	0.8264	0.0397	0.0181						
180	0.	0.8264	0.	0.						

GAMMA = 0.

ALPHA = 12.000

K = 1.000

BC = 2.2690	NR = 1.1305	BR = 1.522564	TR = 105.70	CR = 1.8447	QR = 0.1224E 03			
THEYA	SY	X1	S1	X2	S2	X3	S3	S5
0	1.0000	0.8949	1.1702	0.2946	0.9049	1.1702	0.2946	
5	0.8213	0.8900	1.1479	0.2953	0.9100	1.1918	0.2902	2.5268
10	1.0102	0.8953	1.1248	0.3018	0.9153	1.2127	0.2853	2.1283
15	1.0460	0.8908	1.1011	0.3043	0.9208	1.2329	0.2801	1.9280
20	1.0761	0.8864	1.0766	0.3066	0.9264	1.2524	0.2744	1.7979
25	1.1584	0.8822	1.0514	0.3080	0.9323	1.2711	0.2685	1.7039
30	1.2313	0.8781	1.0254	0.3087	0.9384	1.2892	0.2623	1.6313
35	1.3135	0.8742	0.9988	0.3087	0.9448	1.3067	0.2559	1.5727
40	1.4035	0.8704	0.9715	0.3079	0.9514	1.3234	0.2495	1.5236
45	1.5003	0.8668	0.9435	0.3064	0.9583	1.3394	0.2430	1.4819
50	1.6030	0.8634	0.9148	0.3040	0.9655	1.3551	0.2366	1.4454
55	1.7107	0.8600	0.8855	0.3009	0.9731	1.3700	0.2304	1.4129
60	1.8230	0.8569	0.8555	0.2969	0.9810	1.3845	0.2245	1.3836
65	1.9401	0.8538	0.8249	0.2921	0.9894	1.3984	0.2191	1.3560
70	2.0628	0.8509	0.7937	0.2865	0.9983	1.4118	0.2144	1.3318
75	2.1935	0.8482	0.7620	0.2801	1.0079	1.4249	0.2109	1.3083
80	2.3363	0.8456	0.7296	0.2729	1.0182	1.4377	0.2090	1.2857
85	2.4913	0.8431	0.6967	0.2649	1.0296	1.4503	0.2097	1.2636
90	2.7096	0.8408	0.6632	0.2561	1.0424	1.4630	0.2121	1.2414
95	3.0178	0.8385	0.6293	0.2466	1.0575	1.4762	0.2203	1.2188
100	3.4368	0.8363	0.5948	0.2363	1.0748	1.4908	0.2252	1.1964
105	1.1892	0.8343	0.5600	0.2253				1.1740
110	1.2090	0.8327	0.5246	0.2136				1.1519
115	1.2178	0.8310	0.4889	0.2013				1.1301
120	1.2145	0.8294	0.4528	0.1883				1.1086
125	1.1983	0.8280	0.4163	0.1748				1.0874
130	1.1685	0.8267	0.3795	0.1607				1.0665
135	1.1243	0.8255	0.3424	0.1461				1.0459
140	1.0650	0.8243	0.3051	0.1311				1.0256
145	0.9902	0.8233	0.2675	0.1156				1.0056
150	0.8992	0.8227	0.2297	0.0999				0.9859
155	0.7917	0.8220	0.1917	0.0836				0.9665
160	0.6675	0.8213	0.1535	0.0672				0.9474
165	0.5262	0.8211	0.1152	0.0506				0.9286
170	0.3679	0.8207	0.0769	0.0338				0.9101
175	0.1924	0.8206	0.0385	0.0169				0.8918
180	0.	0.8203	0.	0.				0.

GAMMA = 0.

ALPHA = 12.000

K = 1.200

BC = 2.3288	NR = 1.1325	BR = 1.459875	TR = 86.80	CR = 1.74975	QR = 0.7995E 02			
THEYA	SY	X1	S1	X2	S2	X3	S3	S5
0	1.0000	0.9977	1.1508	0.1213	0.9979	1.1508	0.1213	
5	0.9993	0.9922	1.1190	0.1246	0.9936	1.1320	0.1278	2.1424
10	1.0138	0.9898	1.0845	0.1285	0.9895	1.1026	0.1323	2.1030
15	1.0552	0.9897	1.0473	0.1309	0.9858	1.0723	0.1368	1.9991
20	1.1208	0.9868	1.0093	0.1318	0.9824	1.0421	0.1414	1.9047
25	1.2101	0.9822	0.9727	0.1299	0.9793	1.0120	0.1462	1.8209
30	1.3269	0.9778	0.9394	0.1233	0.9748	0.9825	0.1514	1.7345
35	1.4683	0.9735	0.9094	0.1193	0.9694	0.9478	0.1568	1.6477
40	1.6344	0.9692	0.8828	0.1125	0.9643	0.9132	0.1623	1.5629
45	1.8212	0.9652	0.8595	0.1021	0.9590	0.8798	0.1679	1.4805
50	2.0393	0.9624	0.8395	0.0888	0.9546	0.8478	0.1734	1.4007
55	2.2899	0.9577	0.8229	0.0728	0.9500	0.8162	0.1789	1.3233
60	2.5743	0.9545	0.8097	0.0548	0.9463	0.7850	0.1843	1.2488
65	2.8968	0.9519	0.8009	0.0375	0.9427	0.7543	0.1897	1.1768
70	3.2611	0.9498	0.7933	0.0221	0.9393	0.7246	0.1950	1.1074
75	3.6788	0.9479	0.7875	0.0086	0.9362	0.6958	0.2002	1.0409
80	4.1508	0.9460	0.7829	0.0000	0.9334	0.6682	0.2053	0.9774
85	4.6881	0.9446	0.7794	0.0000	0.9308	0.6418	0.2103	0.9168
90	5.2918	0.9434	0.7768	0.0000	0.9284	0.6166	0.2152	0.8591
95	5.9631	0.9424	0.7749	0.0000	0.9262	0.5925	0.2200	0.8043
100	6.7031	0.9416	0.7735	0.0000	0.9242	0.5695	0.2247	0.7524
105	7.5131	0.9410	0.7725	0.0000	0.9224	0.5475	0.2293	0.7034
110	8.3946	0.9406	0.7718	0.0000	0.9208	0.5265	0.2338	0.6574
115	9.3483	0.9404	0.7714	0.0000	0.9194	0.5065	0.2382	0.6144
120	10.3758	0.9403	0.7712	0.0000	0.9182	0.4875	0.2425	0.5744
125	11.4788	0.9403	0.7712	0.0000	0.9172	0.4695	0.2467	0.5374
130	12.6581	0.9404	0.7713	0.0000	0.9164	0.4525	0.2508	0.5034
135	13.9146	0.9406	0.7715	0.0000	0.9158	0.4365	0.2548	0.4724
140	15.2493	0.9409	0.7718	0.0000	0.9154	0.4215	0.2587	0.4444
145	16.6634	0.9413	0.7722	0.0000	0.9152	0.4075	0.2625	0.4194
150	18.1581	0.9418	0.7727	0.0000	0.9152	0.3945	0.2662	0.3974
155	19.7346	0.9424	0.7733	0.0000	0.9154	0.3825	0.2698	0.3784
160	21.3941	0.9431	0.7740	0.0000	0.9158	0.3715	0.2733	0.3624
165	23.1388	0.9439	0.7748	0.0000	0.9164	0.3615	0.2767	0.3494
170	24.9708	0.9448	0.7757	0.0000	0.9172	0.3525	0.2800	0.3394
175	26.8913	0.9458	0.7767	0.0000	0.9182	0.3445	0.2832	0.3324
180	28.9018	0.9469	0.7778	0.0000	0.9194	0.3375	0.2863	0.3284

GAMMA = 0. ALPHA = 12.000 K = 1.400

DC = 2.3791 NR = 1.1168 BR = 1.413027 TR = 72.50 CR = 1.2654 QR = 0.5132E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9099	1.1181	0.12724	0.9099	1.1181	0.2724			
5	0.9948	0.9037	1.0965	0.12752	0.9164	1.1391	0.2693	2.13232	2.3658	14.7841
10	1.0193	0.8978	1.0743	0.12776	0.9232	1.1594	0.2660	1.9570	2.16272	5.0096
15	1.0645	0.8922	1.0514	0.12796	0.9303	1.1791	0.2625	1.7721	1.8659	2.8144
20	1.1278	0.8868	1.0279	0.12811	0.9379	1.1983	0.2591	1.6521	1.7668	1.6320
25	1.2078	0.8817	1.0037	0.12820	0.9459	1.2169	0.2568	1.5688	1.6985	1.1268
30	1.3039	0.8768	0.9789	0.12824	0.9545	1.2350	0.2529	1.4967	1.6481	0.8317
35	1.4159	0.8721	0.9534	0.12821	0.9636	1.2528	0.2507	1.4409	1.6089	0.6452
40	1.5449	0.8676	0.9272	0.12812	0.9734	1.2699	0.2496	1.3935	1.5772	0.5213
45	1.6941	0.8634	0.9004	0.12796	0.9841	1.2870	0.2501	1.3519	1.5506	0.4370
50	1.8700	0.8593	0.8730	0.12774	0.9960	1.3039	0.2536	1.3142	1.5275	0.3802
55	2.0876	0.8556	0.8450	0.12744	1.0093	1.3210	0.2622	1.2790	1.5068	0.3451
60	2.3840	0.8517	0.8163	0.12707	1.0249	1.3388	0.2810	1.2448	1.4871	0.3320
65	2.8771	0.8481	0.7871	0.12662	1.0445	1.3582	0.3260	1.2092	1.4671	0.3536
70	4.3379	0.8448	0.7573	0.12611	1.0738	1.3829	0.5022	1.1660	1.4427	0.5127
75	0.9622	0.8416	0.7270	0.12552						
80	1.0325	0.8386	0.6961	0.12486						
85	1.0974	0.8357	0.6646	0.12412						
90	1.1559	0.8331	0.6327	0.12332						
95	1.2067	0.8305	0.6003	0.12245						
100	1.2487	0.8281	0.5674	0.12151						
105	1.2808	0.8259	0.5341	0.12051						
110	1.3021	0.8239	0.5004	0.11944						
115	1.3113	0.8219	0.4664	0.11832						
120	1.3077	0.8202	0.4319	0.11714						
125	1.2902	0.8185	0.3971	0.11590						
130	1.2580	0.8171	0.3620	0.11462						
135	1.2104	0.8157	0.3266	0.11329						
140	1.1465	0.8145	0.2910	0.11192						
145	1.0659	0.8135	0.2551	0.11052						
150	0.9679	0.8126	0.2190	0.10908						
155	0.8522	0.8118	0.1828	0.10761						
160	0.7184	0.8112	0.1464	0.10612						
165	0.5664	0.8107	0.1099	0.10460						
170	0.3959	0.8104	0.0733	0.10308						
175	0.2071	0.8102	0.0367	0.10154						
180	0.	0.8101	0.	0.						

GAMMA = 0. ALPHA = 12.000 K = 1.600

DC = 2.4228 NR = 1.1127 BR = 1.376657 TR = 62.91 CR = 1.0980 QR = 0.3916E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9117	1.1000	0.12667	0.9117	1.1000	0.2667			
5	0.9965	0.9050	1.0785	0.12688	0.9189	1.1208	0.2644	2.12468	2.2878	13.8298
10	1.0245	0.8986	1.0565	0.12706	0.9265	1.1412	0.2622	1.8930	1.9608	4.6881
15	1.0755	0.8924	1.0338	0.12721	0.9345	1.1610	0.2601	1.7137	1.8044	2.4511
20	1.1474	0.8866	1.0105	0.12732	0.9431	1.1803	0.2583	1.5971	1.7081	1.5358
25	1.2397	0.8811	0.9866	0.12738	0.9522	1.1992	0.2572	1.5120	1.6415	1.0671
30	1.3528	0.8758	0.9621	0.12739	0.9622	1.2178	0.2573	1.4451	1.5919	0.7955
35	1.4890	0.8708	0.9370	0.12734	0.9730	1.2361	0.2591	1.3897	1.5528	0.6263
40	1.6542	0.8660	0.9112	0.12723	0.9850	1.2544	0.2689	1.3419	1.5205	0.5174
45	1.8616	0.8615	0.8848	0.12707	0.9986	1.2729	0.2740	1.2988	1.4927	0.4491
50	2.1140	0.8571	0.8578	0.12683	1.0145	1.2922	0.2947	1.2584	1.4674	0.4141
55	2.4603	0.8530	0.8302	0.12653	1.0343	1.3133	0.3419	1.2178	1.4426	0.4212
60	3.8400	0.8491	0.8020	0.12617	1.0636	1.3398	0.5099	1.1709	1.4141	0.5599
65	0.8367	0.8453	0.7733	0.12573						
70	0.9167	0.8418	0.7439	0.12522						
75	0.9935	0.8384	0.7141	0.12465						
80	1.0659	0.8353	0.6837	0.12400						
85	1.1327	0.8323	0.6528	0.12329						
90	1.1929	0.8294	0.6214	0.12251						
95	1.2451	0.8268	0.5896	0.12167						
100	1.2882	0.8243	0.5573	0.12076						
105	1.3213	0.8220	0.5246	0.11979						
110	1.3430	0.8198	0.4915	0.11876						
115	1.3524	0.8178	0.4580	0.11767						
120	1.3486	0.8159	0.4241	0.11653						
125	1.3304	0.8142	0.3900	0.11534						
130	1.2971	0.8127	0.3555	0.11410						
135	1.2479	0.8113	0.3207	0.11282						
140	1.1820	0.8101	0.2857	0.11150						
145	1.0988	0.8090	0.2505	0.11014						
150	0.9978	0.8080	0.2151	0.10875						
155	0.8785	0.8072	0.1795	0.10734						
160	0.7406	0.8066	0.1438	0.10590						
165	0.5838	0.8061	0.1079	0.10444						
170	0.4081	0.8057	0.0720	0.10297						
175	0.2135	0.8055	0.0360	0.10149						
180	0.	0.8054	0.	0.						

GAMMA = 0. ALPHA = 12.000 K = 1.800

DC = 2.4616	NR = 1.1095	BR = 1.347582	TR = 55.63	CR = 0.9709	QR = 0.3155E 02					
THETA	ST	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.9133	1.0851	0.2631	0.9133	1.0851	0.2631			
5	0.9983	0.9060	1.0637	0.2644	0.9211	1.0660	0.2619	2.11816	2.2213	13.0394
10	1.0303	0.8990	1.0417	0.2656	0.9294	1.0265	0.2610	1.8375	1.9035	4.4233
15	1.0878	0.8925	1.0192	0.2665	0.9384	1.0146	0.2605	1.6636	1.7517	2.3179
20	1.1700	0.8863	0.9961	0.2671	0.9480	1.1661	0.2609	1.5499	1.6577	1.4593
25	1.2773	0.8804	0.9724	0.2674	0.9584	1.0185	0.2628	1.4663	1.5923	1.0223
30	1.4129	0.8748	0.9481	0.2672	0.9700	1.2049	0.2671	1.4000	1.5429	0.7720
35	1.5844	0.8694	0.9232	0.2665	0.9829	1.2244	0.2756	1.3443	1.5034	0.6204
40	1.8104	0.8644	0.8977	0.2652	0.9977	1.2443	0.2917	1.2951	1.4699	0.5303
45	2.1417	0.8598	0.8716	0.2634	1.0156	1.2658	0.3245	1.2489	1.4395	0.4899
50	2.7715	0.8550	0.8450	0.2610	1.0393	1.2901	0.4082	1.2017	1.4091	0.5218
55	0.6926	0.8506	0.8177	0.2580						
60	0.7779	0.8465	0.7899	0.2543						
65	0.8622	0.8426	0.7615	0.2499						
70	0.9443	0.8389	0.7326	0.2450						
75	1.0231	0.8354	0.7032	0.2393						
80	1.0973	0.8321	0.6732	0.2330						
85	1.1659	0.8289	0.6428	0.2260						
90	1.2275	0.8260	0.6119	0.2184						
95	1.2810	0.8232	0.5805	0.2102						
100	1.3252	0.8206	0.5487	0.2013						
105	1.3589	0.8182	0.5165	0.1919						
110	1.3811	0.8160	0.4838	0.1819						
115	1.3907	0.8139	0.4509	0.1713						
120	1.3865	0.8120	0.4175	0.1602						
125	1.3677	0.8102	0.3839	0.1487						
130	1.3334	0.8086	0.3499	0.1367						
135	1.2827	0.8071	0.3157	0.1242						
140	1.2149	0.8059	0.2813	0.1114						
145	1.1293	0.8047	0.2466	0.0983						
150	1.0255	0.8037	0.2117	0.0848						
155	0.9028	0.8029	0.1767	0.0711						
160	0.7610	0.8022	0.1415	0.0571						
165	0.5999	0.8017	0.1062	0.0430						
170	0.4194	0.8013	0.0709	0.0287						
175	0.2193	0.8011	0.0354	0.0144						
180	0.	0.8010	0.	0.						

GAMMA = 0. ALPHA = 12.000 K = 2.000

DC = 2.44963	NR = 1.1069	BR = 1.323795	TR = 49.89	CR = 0.8708	QR = 0.2638E 02					
THETA	ST	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.9147	1.0727	0.2612	0.9147	1.0727	0.2612			
5	1.0001	0.9068	1.0512	0.2616	0.9231	1.0937	0.2612	2.11251	2.1638	12.3704
10	1.0364	0.8993	1.0293	0.2620	0.9322	1.1144	0.2617	1.7899	1.8541	4.2002
15	1.1016	0.8929	1.0068	0.2623	0.9420	1.1348	0.2632	1.6199	1.7057	2.2075
20	1.1958	0.8857	0.9838	0.2625	0.9527	1.1549	0.2664	1.5084	1.6136	1.3981
25	1.3219	0.8795	0.9602	0.2623	0.9646	1.1751	0.2724	1.4259	1.5489	0.9896
30	1.4878	0.8736	0.9361	0.2618	0.9780	1.1955	0.2831	1.3596	1.4994	0.7601
35	1.7137	0.8680	0.9114	0.2609	0.9935	1.2168	0.3029	1.3028	1.4588	0.6291
40	2.0568	0.8627	0.8861	0.2594	1.0125	1.2394	0.3431	1.2507	1.4228	0.5693
45	2.7572	0.8576	0.8603	0.2575	1.0383	1.2663	0.4508	1.1977	1.3870	0.6082
50	0.6253	0.8528	0.8339	0.2549						
55	0.7127	0.8483	0.8070	0.2518						
60	0.8000	0.8440	0.7795	0.2481						
65	0.8864	0.8399	0.7514	0.2438						
70	0.9704	0.8361	0.7228	0.2388						
75	1.0510	0.8324	0.6937	0.2332						
80	1.1270	0.8290	0.6642	0.2270						
85	1.1971	0.8257	0.6341	0.2202						
90	1.2601	0.8227	0.6036	0.2127						
95	1.3147	0.8198	0.5726	0.2047						
100	1.3599	0.8171	0.5412	0.1960						
105	1.3943	0.8146	0.5094	0.1868						
110	1.4168	0.8123	0.4772	0.1770						
115	1.4264	0.8102	0.4447	0.1667						
120	1.4220	0.8082	0.4118	0.1559						
125	1.4026	0.8063	0.3786	0.1447						
130	1.3673	0.8047	0.3451	0.1330						
135	1.3152	0.8032	0.3114	0.1208						
140	1.2455	0.8019	0.2774	0.1084						
145	1.1577	0.8007	0.2432	0.0956						
150	1.0512	0.7997	0.2088	0.0825						
155	0.9254	0.7989	0.1742	0.0691						
160	0.7801	0.7982	0.1395	0.0556						
165	0.6149	0.7976	0.1048	0.0418						
170	0.4298	0.7972	0.0699	0.0280						
175	0.2248	0.7970	0.0350	0.0140						
180	0.	0.7969	0.	0.						

GAMMA=0. ALPHA=12.000 K= 2.200

DC= 2.5279 XR= 1.10481 BR= 1.30397
TR=45.2527 CR= 0.78981 QR=22.65524

THETA	ST	X1	B1	S1
0	1.0000	0.9158	1.0622	0.2605
5	1.0021	0.9074	1.0406	0.2598
10	1.0431	0.8995	1.0186	0.2595
15	1.1169	0.8921	0.9961	0.2592
20	1.2254	0.8851	0.9732	0.2588
25	1.3750	0.8786	0.9497	0.2583
30	1.5834	0.8724	0.9257	0.2574
35	1.9010	0.8665	0.9012	0.2562
40	2.5310	0.8610	0.8761	0.2546
45	0.5545	0.8557	0.8504	0.2524
50	0.6426	0.8507	0.8243	0.2498
55	0.7319	0.8460	0.7975	0.2466
60	0.8213	0.8416	0.7703	0.2428
65	0.9095	0.8373	0.7425	0.2385
70	0.9954	0.8333	0.7142	0.2336
75	1.0777	0.8296	0.6855	0.2280
80	1.1552	0.8260	0.6562	0.2219
85	1.2267	0.8227	0.6264	0.2151
90	1.2910	0.8195	0.5963	0.2078
95	1.3467	0.8166	0.5656	0.1999
100	1.3926	0.8138	0.5346	0.1914
105	1.4276	0.8112	0.5032	0.1823
110	1.4505	0.8088	0.4714	0.1728
115	1.4601	0.8066	0.4392	0.1627
120	1.4554	0.8046	0.4067	0.1521
125	1.4353	0.8027	0.3739	0.1411
130	1.3990	0.8010	0.3408	0.1297
135	1.3456	0.7995	0.3075	0.1179
140	1.2743	0.7981	0.2739	0.1057
145	1.1844	0.7969	0.2401	0.0932
150	1.0753	0.7959	0.2062	0.0804
155	0.9466	0.7950	0.1721	0.0674
160	0.7979	0.7943	0.1378	0.0542
165	0.6290	0.7937	0.1034	0.0408
170	0.4396	0.7933	0.0690	0.0273
175	0.2299	0.7931	0.0345	0.0136
180	0.	0.7930	0.	0.

GAMMA=0. ALPHA=12.000 K= 2.600

DC= 2.5835 XR= 1.10160 BR= 1.27278
TR=38.1898 CR= 0.66654 QR=17.65252

THETA	ST	X1	B1	S1
0	1.0000	0.9178	1.0453	0.2617
5	1.0063	0.9083	1.0233	0.2588
10	1.0582	0.8995	1.0011	0.2567
15	1.1527	0.8913	0.9786	0.2551
20	1.2979	0.8837	0.9556	0.2537
25	1.5173	0.8765	0.9322	0.2523
30	1.8880	0.8698	0.9084	0.2508
35	2.8451	0.8635	0.8840	0.2490
40	0.4941	0.8575	0.8592	0.2469
45	0.5837	0.8519	0.8339	0.2444
50	0.6755	0.8466	0.8080	0.2415
55	0.7684	0.8416	0.7817	0.2382
60	0.8613	0.8368	0.7549	0.2343
65	0.9529	0.8323	0.7275	0.2299
70	1.0421	0.8281	0.6997	0.2249
75	1.1275	0.8241	0.6714	0.2194
80	1.2078	0.8204	0.6427	0.2134
85	1.2819	0.8169	0.6135	0.2068
90	1.3483	0.8135	0.5839	0.1996
95	1.4058	0.8104	0.5538	0.1919
100	1.4532	0.8075	0.5234	0.1837
105	1.4892	0.8048	0.4926	0.1750
110	1.5125	0.8022	0.4614	0.1657
115	1.5221	0.8000	0.4299	0.1560
120	1.5168	0.7979	0.3981	0.1459
125	1.4956	0.7959	0.3660	0.1353
130	1.4575	0.7941	0.3336	0.1243
135	1.4015	0.7926	0.3009	0.1130
140	1.3270	0.7911	0.2681	0.1013
145	1.2332	0.7899	0.2350	0.0893
150	1.1195	0.7888	0.2018	0.0770
155	0.9854	0.7879	0.1684	0.0646
160	0.8306	0.7871	0.1348	0.0519
165	0.6547	0.7866	0.1012	0.0390
170	0.4576	0.7862	0.0675	0.0261
175	0.2393	0.7859	0.0338	0.0131
180	0.	0.7858	0.	0.

GAMMA=0. ALPHA=12.000 K= 3.000

DC= 2.6316 XR= 1.09924 BR= 1.24936
TR=33.0565 CR= 0.45765 QR=14.45876

THETA	ST	X1	B1	S1
0	1.0000	0.9193	1.0323	0.2659
5	1.0109	0.9088	1.0099	0.2599
10	1.0758	0.8991	0.9874	0.2560
15	1.1964	0.8903	0.9646	0.2530
20	1.3946	0.8820	0.9418	0.2505
25	1.7437	0.8743	0.9182	0.2482
30	2.6780	0.8672	0.8944	0.2460
35	0.4287	0.8604	0.8701	0.2436
40	0.5183	0.8541	0.8455	0.2411
45	0.6113	0.8482	0.8204	0.2383
50	0.7064	0.8426	0.7948	0.2351
55	0.8025	0.8373	0.7687	0.2315
60	0.8986	0.8323	0.7422	0.2275
65	0.9932	0.8276	0.7152	0.2230
70	1.0852	0.8232	0.6878	0.2181
75	1.1733	0.8190	0.6599	0.2126
80	1.2561	0.8151	0.6316	0.2066
85	1.3324	0.8114	0.6028	0.2001
90	1.4007	0.8080	0.5737	0.1931
95	1.4598	0.8048	0.5441	0.1855
100	1.5084	0.8018	0.5141	0.1775
105	1.5452	0.7990	0.4838	0.1690
110	1.5689	0.7964	0.4532	0.1600
115	1.5784	0.7939	0.4222	0.1506
120	1.5725	0.7917	0.3909	0.1408
125	1.5501	0.7897	0.3594	0.1305
130	1.5102	0.7879	0.3275	0.1199
135	1.4520	0.7862	0.2955	0.1089
140	1.3746	0.7848	0.2632	0.0977
145	1.2773	0.7835	0.2307	0.0861
150	1.1594	0.7824	0.1981	0.0743
155	1.0204	0.7814	0.1653	0.0622
160	0.8600	0.7806	0.1324	0.0500
165	0.6778	0.7800	0.0994	0.0376
170	0.4737	0.7796	0.0663	0.0252
175	0.2478	0.7794	0.0332	0.0126
180	0.	0.7793	0.	0.

GAMMA=0. ALPHA=12.000 K= 4.000

DC= 2.7300 XR= 1.09540 BR= 1.21024
TR=24.7732 CR= 0.24237 QR= 9.96288

THETA	ST	X1	B1	S1
0	1.0000	0.9220	1.0100	0.2806
5	1.0243	0.9090	0.9861	0.2677
10	1.1323	0.8975	0.9625	0.2587
15	1.3357	0.8870	0.9391	0.2520
20	1.8747	0.8775	0.9157	0.2467
25	0.2972	0.8687	0.8921	0.2423
30	0.3844	0.8606	0.8682	0.2384
35	0.4771	0.8531	0.8441	0.2348
40	0.5740	0.8460	0.8197	0.2312
45	0.6741	0.8394	0.7949	0.2276
50	0.7763	0.8332	0.7697	0.2238
55	0.8794	0.8274	0.7441	0.2197
60	0.9821	0.8220	0.7181	0.2154
65	1.0831	0.8169	0.6918	0.2106
70	1.1811	0.8121	0.6650	0.2055
75	1.2747	0.8076	0.6378	0.2000
80	1.3626	0.8034	0.6103	0.1941
85	1.4433	0.7994	0.5823	0.1877
90	1.5155	0.7957	0.5540	0.1809
95	1.5778	0.7923	0.5254	0.1737
100	1.6287	0.7890	0.4963	0.1660
105	1.6669	0.7860	0.4670	0.1579
110	1.6912	0.7833	0.4373	0.1494
115	1.7002	0.7807	0.4074	0.1405
120	1.6928	0.7783	0.3771	0.1312
125	1.6677	0.7762	0.3466	0.1216
130	1.6241	0.7742	0.3159	0.1117
135	1.5608	0.7725	0.2850	0.1014
140	1.4770	0.7709	0.2538	0.0909
145	1.3719	0.7695	0.2225	0.0801
150	1.2449	0.7684	0.1910	0.0691
155	1.0954	0.7674	0.1594	0.0579
160	0.9230	0.7666	0.1276	0.0465
165	0.7274	0.7659	0.0958	0.0350
170	0.5083	0.7655	0.0639	0.0234
175	0.2658	0.7652	0.0320	0.0117
180	0.	0.7651	0.	0.

GAMMA=0.1 ALPHA=12.000 K= 6.000

BE= 2.8740 XR= 1.09153 BR= 1.16968
TR=16.5289 CR= 0.28848 QR= 6.15465

THETA	ST	X1	B1	S1
0	1.0000	0.9250	0.9861	0.3233
5	1.0610	0.9075	0.9586	0.2913
10	1.3267	0.8927	0.9327	0.2709
15	2.5431	0.8798	0.9078	0.2568
20	0.12647	0.8682	0.8833	0.2463
25	0.3976	0.8578	0.8590	0.2381
30	0.4568	0.8483	0.8349	0.2313
35	0.5611	0.8396	0.8106	0.2256
40	0.6695	0.8316	0.7863	0.2202
45	0.7807	0.8241	0.7617	0.2152
50	0.8938	0.8172	0.7370	0.2104
55	1.0073	0.8107	0.7119	0.2055
60	1.1200	0.8047	0.6866	0.2005
65	1.2304	0.7991	0.6609	0.1954
70	1.3373	0.7938	0.6350	0.1900
75	1.4391	0.7888	0.6087	0.1844
80	1.5343	0.7842	0.5821	0.1784
85	1.6214	0.7799	0.5552	0.1722
90	1.6990	0.7759	0.5280	0.1656
95	1.7655	0.7721	0.5005	0.1587
100	1.8194	0.7687	0.4727	0.1514
105	1.8693	0.7656	0.4446	0.1438
110	1.8839	0.7624	0.4162	0.1359
115	1.8916	0.7597	0.3876	0.1276
120	1.8813	0.7571	0.3587	0.1191
125	1.8517	0.7548	0.3296	0.1103
130	1.8017	0.7528	0.3004	0.1011
135	1.7301	0.7509	0.2709	0.0918
140	1.6362	0.7492	0.2412	0.0822
145	1.5189	0.7477	0.2114	0.0724
150	1.3776	0.7465	0.1815	0.0624
155	1.2117	0.7454	0.1514	0.0523
160	1.0206	0.7445	0.1212	0.0420
165	0.8041	0.7439	0.0910	0.0316
170	0.5618	0.7434	0.0607	0.0211
175	0.2938	0.7431	0.0304	0.0106
180	0.	0.7430	0.	0.

GAMMA=0.1 ALPHA=12.000 K= 8.000

BE= 2.9813 XR= 1.08958 BR= 1.14882
TR=12.4609 CR= 0.21658 QR= 4.45766

THETA	ST	X1	B1	S1
0	1.0000	0.9266	0.9734	0.3725
5	1.1145	0.9050	0.9423	0.3167
10	1.7980	0.8875	0.9142	0.2844
15	0.2121	0.8726	0.8877	0.2632
20	0.3080	0.8595	0.8622	0.2481
25	0.4107	0.8480	0.8374	0.2368
30	0.5193	0.8375	0.8128	0.2278
35	0.6327	0.8280	0.7884	0.2202
40	0.7499	0.8193	0.7640	0.2136
45	0.8697	0.8113	0.7396	0.2076
50	0.9909	0.8038	0.7150	0.2020
55	1.1123	0.7970	0.6903	0.1965
60	1.2325	0.7905	0.6653	0.1911
65	1.3500	0.7846	0.6401	0.1856
70	1.4634	0.7790	0.6147	0.1801
75	1.5710	0.7738	0.5890	0.1743
80	1.6715	0.7689	0.5631	0.1683
85	1.7632	0.7644	0.5368	0.1621
90	1.8444	0.7602	0.5108	0.1557
95	1.9138	0.7563	0.4836	0.1489
100	1.9696	0.7526	0.4566	0.1419
105	2.0164	0.7493	0.4293	0.1347
110	2.0347	0.7461	0.4018	0.1271
115	2.0411	0.7433	0.3741	0.1193
120	2.0282	0.7406	0.3462	0.1112
125	1.9947	0.7382	0.3181	0.1029
130	1.9394	0.7361	0.2898	0.0943
135	1.8613	0.7341	0.2613	0.0855
140	1.7592	0.7324	0.2327	0.0765
145	1.6324	0.7309	0.2039	0.0674
150	1.4800	0.7296	0.1750	0.0581
155	1.3013	0.7285	0.1460	0.0486
160	1.0958	0.7276	0.1169	0.0390
165	0.8631	0.7269	0.0877	0.0293
170	0.6030	0.7264	0.0585	0.0196
175	0.3153	0.7261	0.0293	0.0098
180	0.	0.7260	0.	0.

GAMMA=0.1 ALPHA=12.000 K=10.000

BE= 3.0682 XR= 1.08841 BR= 1.13611
TR= 9.9355 CR= 0.17341 QR= 3.49581

THETA	ST	X1	B1	S1
0	1.0000	0.9277	0.9656	0.4244
5	1.1900	0.9021	0.9308	0.3410
10	0.1456	0.8822	0.9006	0.2967
15	0.2425	0.8657	0.8729	0.2691
20	0.3471	0.8516	0.8466	0.2501
25	0.4580	0.8391	0.8212	0.2362
30	0.5744	0.8279	0.7963	0.2253
35	0.6953	0.8179	0.7717	0.2164
40	0.8197	0.8087	0.7473	0.2089
45	0.9465	0.8002	0.7229	0.2021
50	1.0744	0.7925	0.6985	0.1959
55	1.2021	0.7853	0.6740	0.1900
60	1.3282	0.7786	0.6493	0.1842
65	1.4513	0.7724	0.6244	0.1785
70	1.5698	0.7666	0.5994	0.1728
75	1.6821	0.7612	0.5741	0.1669
80	1.7867	0.7562	0.5486	0.1609
85	1.8818	0.7515	0.5229	0.1548
90	1.9659	0.7472	0.4970	0.1484
95	2.0373	0.7431	0.4708	0.1418
100	2.0944	0.7394	0.4444	0.1350
105	2.1356	0.7359	0.4178	0.1279
110	2.1595	0.7327	0.3910	0.1207
115	2.1645	0.7298	0.3639	0.1131
120	2.1493	0.7271	0.3367	0.1054
125	2.1124	0.7246	0.3093	0.0974
130	2.0527	0.7224	0.2817	0.0893
135	1.9689	0.7204	0.2540	0.0809
140	1.8601	0.7186	0.2262	0.0724
145	1.7253	0.7171	0.1982	0.0637
150	1.5637	0.7157	0.1701	0.0549
155	1.3745	0.7146	0.1419	0.0459
160	1.1572	0.7137	0.1136	0.0369
165	0.9113	0.7130	0.0853	0.0277
170	0.6366	0.7125	0.0569	0.0185
175	0.3328	0.7122	0.0284	0.0093
180	0.	0.7121	0.	0.

GAMMA=0.1 ALPHA=12.000 K=20.000

BE= 3.3646 XR= 1.08604 BR= 1.11021
TR= 3.9781 CR= 0.06943 QR= 1.68357

THETA	ST	X1	B1	S1
0	1.0000	0.9297	0.9491	0.6897
5	0.1070	0.8876	0.8984	0.4363
10	0.2352	0.8595	0.8605	0.3391
15	0.3668	0.8379	0.8284	0.2878
20	0.5019	0.8203	0.7994	0.2558
25	0.6410	0.8053	0.7723	0.2337
30	0.7840	0.7922	0.7464	0.2175
35	0.9302	0.7805	0.7213	0.2048
40	1.0788	0.7701	0.6968	0.1944
45	1.2287	0.7606	0.6726	0.1855
50	1.3786	0.7519	0.6486	0.1777
55	1.5270	0.7440	0.6247	0.1706
60	1.6725	0.7367	0.6009	0.1640
65	1.8134	0.7299	0.5770	0.1577
70	1.9481	0.7236	0.5532	0.1516
75	2.0747	0.7178	0.5292	0.1456
80	2.1915	0.7124	0.5061	0.1396
85	2.2968	0.7074	0.4810	0.1336
90	2.3886	0.7028	0.4567	0.1275
95	2.4653	0.6984	0.4322	0.1214
100	2.5251	0.6945	0.4077	0.1151
105	2.5662	0.6908	0.3830	0.1087
110	2.5871	0.6874	0.3581	0.1022
115	2.5859	0.6843	0.3331	0.0956
120	2.5613	0.6814	0.3080	0.0888
125	2.5118	0.6788	0.2828	0.0819
130	2.4359	0.6765	0.2575	0.0749
135	2.3324	0.6744	0.2321	0.0678
140	2.2000	0.6725	0.2065	0.0605
145	2.0378	0.6709	0.1809	0.0532
150	1.8447	0.6695	0.1552	0.0458
155	1.6199	0.6683	0.1294	0.0383
160	1.3627	0.6673	0.1036	0.0307
165	1.0725	0.6666	0.0778	0.0231
170	0.7489	0.6661	0.0519	0.0154
175	0.3914	0.6657	0.0259	0.0077
180	0.	0.6656	0.	0.

GAMMA = 0.2000

ALPHA = 0.000

K = 0.200

DC = 1.8278

XD = 1.7528

BD = 2.489345

W2 = -0.2257E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8436	1.5406	0.5897	0.8436	1.5406	0.6891			
5	0.9874	0.8409	1.5068	0.5890	0.8464	1.5736	0.6889	3.9925	4.0660	43.3777
10	0.9978	0.8382	1.4723	0.5873	0.8522	1.6059	0.6880	3.3892	3.4895	14.6789
15	1.0230	0.8356	1.4372	0.5847	0.8521	1.6375	0.6866	3.0538	3.2146	7.6331
20	1.0601	0.8330	1.4014	0.5809	0.8550	1.6684	0.6841	2.8510	3.0474	4.7281
25	1.1071	0.8304	1.3648	0.5762	0.8579	1.6985	0.6812	2.7047	2.9336	3.2210
30	1.1626	0.8280	1.3277	0.5704	0.8609	1.7270	0.6778	2.5924	2.8509	2.3294
35	1.2252	0.8256	1.2899	0.5635	0.8639	1.7565	0.6737	2.5024	2.7884	1.7547
40	1.2940	0.8232	1.2514	0.5556	0.8669	1.7843	0.6692	2.4281	2.7396	1.3616
45	1.3678	0.8209	1.2124	0.5467	0.8699	1.8114	0.6642	2.3654	2.7007	1.0803
50	1.4468	0.8187	1.1727	0.5367	0.8730	1.8370	0.6588	2.3117	2.6691	0.8723
55	1.5270	0.8166	1.1325	0.5256	0.8761	1.8634	0.6531	2.2649	2.6432	0.7142
60	1.6105	0.8145	1.0917	0.5136	0.8791	1.8883	0.6470	2.2238	2.6217	0.5916
65	1.6954	0.8125	1.0504	0.5005	0.8822	1.9124	0.6407	2.1874	2.6037	0.4946
70	1.7808	0.8106	1.0086	0.4865	0.8853	1.9358	0.6341	2.1548	2.5884	0.4169
75	1.8662	0.8087	0.9662	0.4715	0.8884	1.9586	0.6274	2.1256	2.5755	0.3539
80	1.9505	0.8069	0.9234	0.4556	0.8915	1.9804	0.6206	2.0991	2.5645	0.3022
85	2.0333	0.8052	0.8801	0.4388	0.8946	2.0016	0.6138	2.0750	2.5550	0.2594
90	2.1137	0.8036	0.8364	0.4211	0.8977	2.0222	0.6069	2.0531	2.5468	0.2238
95	2.1911	0.8021	0.7923	0.4026	0.9007	2.0420	0.6001	2.0331	2.5398	0.1939
100	2.2651	0.8006	0.7477	0.3832	0.9038	2.0611	0.5934	2.0146	2.5337	0.1687
105	2.3350	0.7992	0.7028	0.3631	0.9068	2.0794	0.5868	1.9977	2.5283	0.1474
110	2.4004	0.7979	0.6576	0.3423	0.9098	2.0974	0.5804	1.9820	2.5237	0.1294
115	2.4609	0.7967	0.6120	0.3208	0.9128	2.1146	0.5742	1.9676	2.5197	0.1140
120	2.5161	0.7956	0.5661	0.2987	0.9158	2.1311	0.5684	1.9541	2.5161	0.1008
125	2.5659	0.7946	0.5199	0.2759	0.9187	2.1470	0.5628	1.9417	2.5130	0.0897
130	2.6099	0.7936	0.4735	0.2526	0.9216	2.1623	0.5576	1.9301	2.5103	0.0801
135	2.6480	0.7928	0.4268	0.2288	0.9245	2.1770	0.5528	1.9193	2.5079	0.0720
140	2.6802	0.7920	0.3799	0.2046	0.9273	2.1911	0.5484	1.9093	2.5067	0.0662
145	2.7064	0.7913	0.3329	0.1799	0.9301	2.2047	0.5444	1.8999	2.5059	0.0595
150	2.7268	0.7907	0.2856	0.1549	0.9328	2.2177	0.5409	1.8912	2.5022	0.0547
155	2.7414	0.7902	0.2382	0.1295	0.9355	2.2302	0.5380	1.8830	2.5008	0.0509
160	2.7506	0.7898	0.1907	0.1039	0.9382	2.2421	0.5356	1.8753	2.4995	0.0478
165	2.7545	0.7895	0.1431	0.0781	0.9408	2.2536	0.5336	1.8681	2.4984	0.0456
170	2.7536	0.7893	0.0955	0.0522	0.9434	2.2646	0.5322	1.8614	2.4974	0.0438
175	2.7484	0.7891	0.0477	0.0261	0.9459	2.2751	0.5313	1.8551	2.4965	0.0429
180	2.7395	0.7891	0.0	0.0	0.9484	2.2852	0.5311	1.8492	2.4957	0.0425

GAMMA = 0.2000

ALPHA = 0.000

K = 0.300

DC = 1.9877

XD = 1.5295

BD = 2.242139

W2 = -0.1980E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8512	1.4166	0.4961	0.8512	1.4166	0.6662			
5	0.9878	0.8476	1.3857	0.4960	0.8547	1.4468	0.6655	3.6111	3.6767	35.4164
10	0.9990	0.8442	1.3541	0.4950	0.8584	1.4763	0.6641	3.0475	3.1562	11.9842
15	1.0255	0.8408	1.3219	0.4932	0.8621	1.5052	0.6620	2.7627	2.9080	6.2324
20	1.0640	0.8375	1.2890	0.4903	0.8659	1.5333	0.6594	2.5797	2.7573	3.8618
25	1.1128	0.8343	1.2555	0.4866	0.8690	1.5607	0.6561	2.4476	2.6454	2.6228
30	1.1703	0.8312	1.2214	0.4820	0.8737	1.5874	0.6523	2.3461	2.5799	1.9061
35	1.2350	0.8281	1.1866	0.4764	0.8776	1.6134	0.6479	2.2647	2.5233	1.4382
40	1.3059	0.8252	1.1513	0.4699	0.8816	1.6386	0.6431	2.1974	2.4790	1.1182
45	1.3818	0.8223	1.1154	0.4625	0.8856	1.6632	0.6378	2.1405	2.4437	0.8896
50	1.4616	0.8195	1.0790	0.4541	0.8897	1.6870	0.6321	2.0916	2.4150	0.7205
55	1.5444	0.8169	1.0420	0.4449	0.8939	1.7101	0.6261	2.0490	2.3914	0.5922
60	1.6290	0.8143	1.0044	0.4348	0.8980	1.7324	0.6198	2.0114	2.3717	0.4925
65	1.7144	0.8118	0.9664	0.4238	0.9022	1.7541	0.6132	1.9780	2.3551	0.4138
70	1.8002	0.8094	0.9279	0.4119	0.9064	1.7750	0.6064	1.9480	2.3410	0.3507
75	1.8850	0.8071	0.8889	0.3993	0.9107	1.7953	0.6005	1.9210	2.3290	0.2994
80	1.9682	0.8049	0.8495	0.3858	0.9149	1.8148	0.5926	1.8965	2.3187	0.2574
85	2.0494	0.8028	0.8097	0.3715	0.9192	1.8337	0.5856	1.8741	2.3098	0.2226
90	2.1272	0.8008	0.7694	0.3565	0.9235	1.8518	0.5785	1.8536	2.3021	0.1936
95	2.2014	0.7989	0.7288	0.3408	0.9278	1.8694	0.5715	1.8347	2.2953	0.1692
100	2.2712	0.7971	0.6878	0.3244	0.9321	1.8862	0.5646	1.8174	2.2895	0.1486
105	2.3363	0.7954	0.6465	0.3074	0.9364	1.9024	0.5579	1.8013	2.2843	0.1312
110	2.3961	0.7938	0.6049	0.2898	0.9407	1.9180	0.5514	1.7863	2.2798	0.1164
115	2.4503	0.7923	0.5629	0.2715	0.9449	1.9329	0.5451	1.7725	2.2758	0.1037
120	2.4985	0.7910	0.5207	0.2527	0.9492	1.9473	0.5391	1.7595	2.2723	0.0929
125	2.5408	0.7897	0.4782	0.2335	0.9535	1.9611	0.5334	1.7474	2.2692	0.0837
130	2.5763	0.7886	0.4355	0.2137	0.9577	1.9742	0.5281	1.7361	2.2664	0.0758
135	2.6056	0.7873	0.3925	0.1936	0.9619	1.9869	0.5231	1.7256	2.2639	0.0691
140	2.6285	0.7866	0.3494	0.1730	0.9661	1.9990	0.5187	1.7156	2.2618	0.0634
145	2.6450	0.7858	0.3061	0.1522	0.9703	2.0105	0.5146	1.7063	2.2598	0.0586
150	2.6553	0.7850	0.2626	0.1310	0.9744	2.0216	0.5111	1.6975	2.2581	0.0547
155	2.6597	0.7844	0.2191	0.1095	0.9785	2.0321	0.5080	1.6892	2.2565	0.0516
160	2.6584	0.7839	0.1754	0.0879	0.9825	2.0422	0.5055	1.6814	2.2551	0.0489
165	2.6518	0.7835	0.1316	0.0661	0.9865	2.0518	0.5035	1.6740	2.2539	0.0469
170	2.6405	0.7833	0.0878	0.0441	0.9905	2.0610	0.5021	1.6670	2.2527	0.0446
175	2.6249	0.7831	0.0439	0.0221	0.9944	2.0697	0.5013	1.6605	2.2517	0.0448
180	2.6058	0.7830	0.0	0.0	0.9983	2.0781	0.5010	1.6542	2.2508	0.0445

GAMMA = 0.2000

ALPHA = 8.000

K = 0.400

DC = 2.1069

XR = 1.2919

BR = 2.060215

TR = 17.18

CR = 5.9834

QR = 0.9369E 04

THEYA	S7	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8569	1.3383	0.4424	0.8569	1.3383	0.4424			
5	0.9986	0.8526	1.3092	0.4425	0.8612	1.3669	0.4414	3.3626	3.4237	30.6689
10	0.9958	0.8485	1.2793	0.4418	0.8656	1.3947	0.4397	2.8385	2.9397	10.3772
15	1.0196	0.8445	1.2489	0.4403	0.8701	1.4219	0.4372	2.5738	2.7090	5.3978
20	1.0553	0.8406	1.2178	0.4379	0.8747	1.4484	0.4339	2.4032	2.5685	3.3467
25	1.1245	0.8368	1.1861	0.4347	0.8794	1.4742	0.4297	2.2803	2.4729	2.3071
30	1.1814	0.8331	1.1539	0.4306	0.8842	1.4993	0.4261	2.1856	2.4033	1.6739
35	1.2466	0.8295	1.1210	0.4257	0.8890	1.5237	0.4219	2.1095	2.3504	1.2673
40	1.3183	0.8260	1.0876	0.4199	0.8940	1.5474	0.4174	2.0465	2.3089	0.9896
45	1.3952	0.8227	1.0536	0.4132	0.8990	1.5704	0.4129	1.9930	2.2757	0.7914
50	1.4760	0.8194	1.0191	0.4058	0.9041	1.5926	0.4080	1.9470	2.2486	0.6449
55	1.5595	0.8163	0.9841	0.3975	0.9092	1.6142	0.4035	1.9067	2.2261	0.5336
60	1.6448	0.8133	0.9487	0.3888	0.9145	1.6351	0.4297	1.8710	2.2073	0.4473
65	1.7307	0.8104	0.9127	0.3785	0.9198	1.6553	0.4232	1.8391	2.1914	0.3791
70	1.8164	0.8076	0.8763	0.3679	0.9251	1.6748	0.4166	1.8104	2.1778	0.3244
75	1.9008	0.8049	0.8394	0.3565	0.9306	1.6936	0.4099	1.7844	2.1661	0.2799
80	1.9832	0.8024	0.8022	0.3444	0.9360	1.7117	0.4031	1.7607	2.1560	0.2435
85	2.0628	0.8000	0.7645	0.3317	0.9416	1.7291	0.3963	1.7389	2.1472	0.2132
90	2.1388	0.7977	0.7264	0.3182	0.9471	1.7459	0.3894	1.7188	2.1395	0.1880
95	2.2105	0.7955	0.6880	0.3041	0.9528	1.7620	0.3827	1.7002	2.1327	0.1668
100	2.2774	0.7934	0.6493	0.2894	0.9584	1.7775	0.3760	1.6829	2.1268	0.1489
105	2.3390	0.7915	0.6102	0.2742	0.9641	1.7924	0.3695	1.6668	2.1215	0.1337
110	2.3947	0.7897	0.5709	0.2584	0.9699	1.8066	0.3631	1.6518	2.1167	0.1207
115	2.4443	0.7880	0.5313	0.2421	0.9757	1.8202	0.3570	1.6377	2.1125	0.1096
120	2.4875	0.7864	0.4914	0.2253	0.9815	1.8332	0.3512	1.6244	2.1087	0.1002
125	2.5240	0.7850	0.4513	0.2080	0.9873	1.8457	0.3456	1.6119	2.1053	0.0921
130	2.5537	0.7836	0.4109	0.1904	0.9931	1.8576	0.3405	1.6001	2.1023	0.0851
135	2.5766	0.7824	0.3704	0.1724	0.9990	1.8690	0.3357	1.5889	2.0995	0.0792
140	2.5928	0.7814	0.3297	0.1541	1.0049	1.8798	0.3313	1.5782	2.0970	0.0742
145	2.6022	0.7804	0.2888	0.1355	1.0108	1.8901	0.3274	1.5681	2.0947	0.0700
150	2.6052	0.7796	0.2478	0.1166	1.0167	1.8999	0.3239	1.5585	2.0926	0.0665
155	2.6021	0.7789	0.2067	0.0975	1.0226	1.9093	0.3209	1.5493	2.0907	0.0637
160	2.5931	0.7784	0.1655	0.0782	1.0285	1.9182	0.3183	1.5406	2.0890	0.0614
165	2.5788	0.7779	0.1242	0.0588	1.0345	1.9266	0.3166	1.5321	2.0874	0.0597
170	2.5597	0.7776	0.0828	0.0393	1.0404	1.9346	0.3152	1.5241	2.0859	0.0584
175	2.5363	0.7774	0.0414	0.0197	1.0463	1.9422	0.3144	1.5163	2.0846	0.0577
180	2.5096	0.7773	0.	0.	1.0523	1.9495	0.3141	1.5089	2.0833	0.0575

GAMMA = 0.2000

ALPHA = 8.000

K = 0.500

DC = 2.2028

XR = 1.2477

BR = 1.920212

TR = 149.51

CR = 3.6738

QR = 0.5431E 03

THEYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8614	1.2831	0.4076	0.8614	1.2831	0.4076			
5	0.9875	0.8566	1.2551	0.4077	0.8664	1.3105	0.4066	3.1817	3.2395	27.4308
10	0.9982	0.8518	1.2264	0.4071	0.8715	1.3373	0.4050	2.6863	2.7820	9.2829
15	1.0246	0.8472	1.1972	0.4056	0.8768	1.3634	0.4026	2.4359	2.5638	4.8318
20	1.0635	0.8428	1.1673	0.4034	0.8821	1.3888	0.3995	2.2748	2.4312	2.9998
25	1.1130	0.8384	1.1369	0.4004	0.8876	1.4136	0.3957	2.1582	2.3405	2.0514
30	1.1712	0.8342	1.1058	0.3966	0.8933	1.4377	0.3913	2.0683	2.2743	1.4916
35	1.2365	0.8302	1.0743	0.3920	0.8990	1.4611	0.3862	1.9958	2.2239	1.1316
40	1.3075	0.8262	1.0422	0.3866	0.9049	1.4838	0.3805	1.9356	2.1843	0.8857
45	1.3827	0.8224	1.0095	0.3804	0.9109	1.5058	0.3743	1.8844	2.1524	0.7101
50	1.4608	0.8188	0.9764	0.3734	0.9170	1.5272	0.3676	1.8401	2.1262	0.5803
55	1.5405	0.8152	0.9428	0.3657	0.9232	1.5479	0.3604	1.8011	2.1044	0.4817
60	1.6207	0.8119	0.9087	0.3572	0.9296	1.5678	0.3528	1.7664	2.0859	0.4052
65	1.7001	0.8086	0.8742	0.3481	0.9360	1.5871	0.3448	1.7353	2.0703	0.3446
70	1.7776	0.8055	0.8392	0.3382	0.9426	1.6057	0.3364	1.7071	2.0567	0.2961
75	1.8522	0.8025	0.8038	0.3276	0.9493	1.6237	0.3278	1.6814	2.0450	0.2565
80	1.9227	0.7997	0.7681	0.3164	0.9561	1.6410	0.3188	1.6577	2.0348	0.2241
85	1.9883	0.7970	0.7320	0.3046	0.9631	1.6576	0.3097	1.6358	2.0257	0.1971
90	2.0480	0.7944	0.6955	0.2921	0.9701	1.6736	0.3004	1.6155	2.0177	0.1745
95	2.1009	0.7920	0.6586	0.2791	0.9773	1.6889	0.2910	1.5965	2.0106	0.1555
100	2.1464	0.7897	0.6215	0.2656	0.9846	1.7037	0.2815	1.5787	2.0042	0.1394
105	2.1838	0.7875	0.5841	0.2515	0.9920	1.7178	0.2720	1.5619	1.9984	0.1256
110	2.2123	0.7855	0.5464	0.2369	0.9996	1.7313	0.2625	1.5460	1.9932	0.1139
115	2.2315	0.7837	0.5084	0.2219	1.0073	1.7443	0.2530	1.5309	1.9884	0.1038
120	2.2408	0.7819	0.4702	0.2064	1.0151	1.7566	0.2436	1.5165	1.9841	0.0951
125	2.2400	0.7803	0.4318	0.1906	1.0230	1.7685	0.2344	1.5027	1.9800	0.0876
130	2.2288	0.7789	0.3932	0.1744	1.0311	1.7798	0.2253	1.4894	1.9763	0.0811
135	2.2069	0.7776	0.3544	0.1579	1.0394	1.7906	0.2164	1.4766	1.9729	0.0756
140	2.1744	0.7764	0.3154	0.1411	1.0478	1.8009	0.2078	1.4642	1.9696	0.0709
145	2.1312	0.7753	0.2763	0.1240	1.0564	1.8107	0.1995	1.4522	1.9666	0.0668
150	2.0777	0.7744	0.2371	0.1067	1.0653	1.8201	0.1915	1.4403	1.9637	0.0635
155	3.8263	0.7737	0.1977	0.0892	1.0743	1.8291	0.3703	1.4287	1.9609	0.1746
160	3.4704	0.7731	0.1583	0.0716	1.0836	1.8377	0.3362	1.4172	1.9583	0.1406
165	3.3212	0.7726	0.1188	0.0538	1.0933	1.8459	0.3212	1.4058	1.9557	0.1261
170	3.2417	0.7722	0.0792	0.0359	1.1032	1.8537	0.3133	1.3944	1.9532	0.1185
175	3.1986	0.7720	0.0396	0.0180	1.1136	1.8613	0.3092	1.3828	1.9507	0.1146
180	3.1824	0.7719	0.	0.	1.1246	1.8686	0.3080	1.3710	1.9481	0.1134

GAMMA = 0.2000

ALPHA = 8.000

K = 0.600

DC = 2.2834 XR = 1.2238 BR = 1.816621 TR = 160.96 CR = 2.8094 QR = 0.1792E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8652	1.2415	0.3834	0.8652	1.2415	0.3834			
5	0.9883	0.8597	1.2143	0.3834	0.8708	1.2682	0.3826	3.0415	3.0967	25.0405
10	1.0010	0.8544	1.1864	0.3827	0.8766	1.2942	0.3812	2.5684	2.6598	8.4768
15	1.0302	0.8493	1.1580	0.3812	0.8825	1.3196	0.3791	2.3292	2.4514	4.4167
20	1.0730	0.8443	1.1290	0.3790	0.8886	1.3443	0.3762	2.1748	2.3243	2.7470
25	1.1270	0.8395	1.0994	0.3760	0.8949	1.3684	0.3728	2.0631	2.2374	1.8833
30	1.1904	0.8348	1.0693	0.3723	0.9014	1.3919	0.3687	1.9766	2.1737	1.3739
35	1.2614	0.8303	1.0387	0.3678	0.9080	1.4147	0.3641	1.9067	2.1250	1.0465
40	1.3385	0.8260	1.0075	0.3626	0.9148	1.4368	0.3589	1.8484	2.0866	0.8230
45	1.4202	0.8218	0.9759	0.3567	0.9218	1.4583	0.3532	1.7987	2.0554	0.6635
50	1.5052	0.8178	0.9437	0.3500	0.9290	1.4791	0.3471	1.7553	2.0297	0.5458
55	1.5922	0.8139	0.9111	0.3426	0.9363	1.4992	0.3405	1.7171	2.0081	0.4564
60	1.6800	0.8102	0.8781	0.3346	0.9439	1.5187	0.3335	1.6828	1.9898	0.3872
65	1.7674	0.8066	0.8446	0.3259	0.9516	1.5376	0.3262	1.6519	1.9740	0.3325
70	1.8535	0.8032	0.8108	0.3165	0.9596	1.5558	0.3187	1.6236	1.9603	0.2887
75	1.9371	0.8000	0.7765	0.3065	0.9677	1.5733	0.3109	1.5976	1.9482	0.2533
80	2.0175	0.7969	0.7419	0.2959	0.9761	1.5902	0.3030	1.5735	1.9375	0.2243
85	2.0939	0.7939	0.7069	0.2847	0.9847	1.6066	0.2949	1.5509	1.9279	0.2005
90	2.1656	0.7911	0.6716	0.2730	0.9936	1.6223	0.2868	1.5297	1.9193	0.1807
95	2.2322	0.7885	0.6360	0.2607	1.0027	1.6374	0.2787	1.5096	1.9114	0.1643
100	2.2932	0.7860	0.6001	0.2479	1.0122	1.6520	0.2708	1.4905	1.9042	0.1508
105	2.3488	0.7837	0.5639	0.2347	1.0219	1.6660	0.2630	1.4721	1.8976	0.1396
110	2.3991	0.7815	0.5274	0.2210	1.0321	1.6796	0.2556	1.4544	1.8914	0.1305
115	2.4449	0.7795	0.4907	0.2070	1.0426	1.6926	0.2485	1.4372	1.8855	0.1233
120	2.4875	0.7776	0.4538	0.1925	1.0536	1.7052	0.2421	1.4202	1.8799	0.1179
125	2.5293	0.7759	0.4167	0.1777	1.0652	1.7174	0.2364	1.4035	1.8745	0.1142
130	2.5743	0.7743	0.3794	0.1625	1.0774	1.7293	0.2320	1.3867	1.8692	0.1125
135	2.6296	0.7729	0.3420	0.1471	1.0905	1.7408	0.2292	1.3697	1.8640	0.1131
140	2.7085	0.7716	0.3043	0.1314	1.1047	1.7523	0.2291	1.3521	1.8586	0.1168
145	2.8386	0.7705	0.2666	0.1155	1.1205	1.7637	0.2336	1.3334	1.8529	0.1256
150	3.0897	0.7695	0.2287	0.0994	1.1387	1.7755	0.2475	1.3128	1.8466	0.1440
155	3.7126	0.7687	0.1907	0.0831	1.1614	1.7885	0.2887	1.2881	1.8389	0.1898
160	0.4620	0.7680	0.1527	0.0666						
165	0.3636	0.7675	0.1146	0.0501						
170	0.2539	0.7671	0.0764	0.0334						
175	0.1327	0.7669	0.0382	0.0167						
180	0.	0.7668	0.	0.						

GAMMA = 0.2000

ALPHA = 8.000

K = 0.800

DC = 2.4152 XR = 1.1969 BR = 1.674259 TR = 113.42 CR = 1.9795 QR = 0.6123E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8710	1.1824	0.3529	0.8710	1.1824	0.3529			
5	0.9902	0.8645	1.1560	0.3524	0.8778	1.2081	0.3528	2.8328	2.8842	21.6875
10	1.0074	0.8581	1.1292	0.3512	0.8849	1.2333	0.3522	2.3926	2.4778	7.3506
15	1.0436	0.8520	1.1018	0.3494	0.8922	1.2580	0.3509	2.1697	2.2836	3.8415
20	1.0955	0.8461	1.0738	0.3469	0.8998	1.2820	0.3491	2.0254	2.1647	2.4007
25	1.1605	0.8404	1.0454	0.3437	0.9077	1.3055	0.3468	1.9203	2.0828	1.6567
30	1.2364	0.8349	1.0164	0.3399	0.9158	1.3284	0.3440	1.8384	2.0225	1.2185
35	1.3215	0.8297	0.9870	0.3354	0.9243	1.3507	0.3408	1.7718	1.9758	0.9374
40	1.4144	0.8246	0.9571	0.3303	0.9330	1.3724	0.3372	1.7156	1.9385	0.7460
45	1.5137	0.8198	0.9268	0.3245	0.9422	1.3936	0.3333	1.6672	1.9079	0.6100
50	1.6186	0.8151	0.8960	0.3181	0.9517	1.4142	0.3293	1.6245	1.8823	0.5101
55	1.7282	0.8106	0.8648	0.3111	0.9616	1.4342	0.3251	1.5863	1.8603	0.4350
60	1.8420	0.8063	0.8333	0.3034	0.9720	1.4537	0.3210	1.5515	1.8412	0.3776
65	1.9599	0.8023	0.8013	0.2952	0.9829	1.4728	0.3171	1.5194	1.8243	0.3332
70	2.0825	0.7984	0.7690	0.2864	0.9943	1.4913	0.3136	1.4895	1.8092	0.2990
75	2.2111	0.7946	0.7363	0.2771	1.0065	1.5095	0.3108	1.4612	1.7954	0.2728
80	2.3485	0.7911	0.7033	0.2673	1.0194	1.5273	0.3091	1.4341	1.7826	0.2535
85	2.5001	0.7878	0.6700	0.2569	1.0333	1.5448	0.3092	1.4077	1.7705	0.2405
90	2.6756	0.7846	0.6364	0.2461	1.0484	1.5623	0.3122	1.3815	1.7588	0.2340
95	2.8955	0.7816	0.6025	0.2349	1.0652	1.5798	0.3203	1.3551	1.7471	0.2355
100	3.2056	0.7788	0.5683	0.2232	1.0844	1.5978	0.3382	1.3274	1.7350	0.2491
105	3.7416	0.7762	0.5339	0.2111	1.1075	1.6171	0.3798	1.2967	1.7216	0.2883
110	5.2128	0.7737	0.4993	0.1987	1.1396	1.6403	0.5180	1.2581	1.7043	0.4257
115	0.9066	0.7714	0.4645	0.1859						
120	0.8983	0.7693	0.4295	0.1728						
125	0.8810	0.7674	0.3943	0.1594						
130	0.8543	0.7656	0.3590	0.1457						
135	0.8178	0.7640	0.3235	0.1318						
140	0.7712	0.7626	0.2879	0.1177						
145	0.7141	0.7613	0.2521	0.1034						
150	0.6462	0.7602	0.2163	0.0889						
155	0.5673	0.7593	0.1804	0.0743						
160	0.4771	0.7585	0.1444	0.0596						
165	0.3754	0.7580	0.1083	0.0448						
170	0.2621	0.7575	0.0722	0.0299						
175	0.1370	0.7573	0.0361	0.0150						
180	0.	0.7572	0.	0.						

GAMMA = 0.2000

ALPHA = 0.000

K = 1.000

DC = 2.5228	XR = 1.1015	BR = 1.1580920	TR = 88.88	CR = 1.6512	QR = 0.3486E 02					
THETA	S1	X1	B1	S2	X2	B2	S2	X3	B3	S3
0	1.00000	0.87256	1.11110	0.32358	0.87555	1.11118	0.32358			
5	0.99251	0.86678	1.11259	0.32344	0.88334	1.11712	0.32367	2.56811	2.72298	19.4022
10	1.01510	0.86095	1.10895	0.32325	0.89116	1.11912	0.32372	2.72659	2.73658	8.5888
15	1.03988	0.85535	1.10628	0.32301	0.90003	1.12168	0.32372	2.70592	2.71810	3.4679
20	1.12236	0.84868	1.10353	0.32271	0.90999	1.12493	0.32370	1.92556	2.05767	2.1742
25	1.20099	0.84264	1.10075	0.32235	0.91888	1.12840	0.32364	1.81377	1.98689	1.5125
30	1.29226	0.83542	0.97972	0.31914	0.92887	1.12878	0.32357	1.73561	1.91093	1.1238
35	1.39566	0.82822	0.96505	0.31347	0.93992	1.13095	0.32350	1.67404	1.86465	0.8753
40	1.51117	0.82226	0.92114	0.30894	0.95502	1.13318	0.32345	1.61459	1.82773	0.7074
45	1.63883	0.81712	0.89119	0.30335	0.96618	1.13534	0.32343	1.56633	1.79689	0.5894
50	1.77770	0.81119	0.86211	0.29782	0.97742	1.13748	0.32349	1.52280	1.76967	0.5046
55	1.93011	0.80670	0.83118	0.29202	0.98767	1.13999	0.32368	1.48990	1.74412	0.4432
60	2.10211	0.80222	0.80112	0.28627	1.00819	1.14169	0.32405	1.44588	1.72500	0.3996
65	2.30119	0.79777	0.77302	0.27947	1.01173	1.14379	0.32471	1.41093	1.70561	0.3709
70	2.54755	0.79334	0.73989	0.27262	1.03552	1.14562	0.32488	1.37555	1.68658	0.3567
75	2.85002	0.78893	0.70773	0.26573	1.05554	1.14813	0.32482	1.34003	1.66883	0.3604
80	3.21811	0.78554	0.67554	0.25879	1.07998	1.15091	0.32482	1.30217	1.65186	0.3961
85	4.72269	0.78117	0.64583	0.25261	1.10724	1.15395	0.32508	1.25776	1.62446	0.5372
90	0.6602	0.77182	0.6109	0.2278						
95	0.8893	0.77190	0.5782	0.2172						
100	0.1019	0.77119	0.5453	0.2062						
105	0.9272	0.76690	0.5122	0.1949						
110	0.9349	0.76683	0.4789	0.1832						
115	0.9343	0.76638	0.4454	0.1713						
120	0.9251	0.76615	0.4118	0.1591						
125	0.9066	0.76644	0.3780	0.1467						
130	0.8786	0.76725	0.3441	0.1346						
135	0.8406	0.76758	0.3100	0.1212						
140	0.7923	0.76742	0.2758	0.1082						
145	0.7333	0.76728	0.2416	0.0950						
150	0.6634	0.76717	0.2072	0.0817						
155	0.5822	0.76707	0.1728	0.0682						
160	0.4895	0.76696	0.1383	0.0547						
165	0.3850	0.76692	0.1038	0.0411						
170	0.2688	0.76688	0.0692	0.0275						
175	0.1404	0.76681	0.0348	0.0137						
180	0.	0.76664	0.	0.						

GAMMA = 0.2000

ALPHA = 8.000

K = 1.200

DC = 2.6123	XR = 1.1715	BR = 1.514853	TR = 73.49	CR = 1.2826	QR = 0.2387E 02					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8789	1.1120	0.3262	0.8789	1.1120	0.3262			
5	0.9950	0.8703	1.0862	0.3237	0.8879	1.1374	0.3283	2.5632	2.6096	17.7186
10	1.0240	0.8621	1.0600	0.3209	0.8973	1.1624	0.3303	2.1651	2.2421	6.0333
15	1.0785	0.8543	1.0334	0.3177	0.9073	1.1870	0.3321	1.9623	2.0654	3.1825
20	1.1542	0.8468	1.0063	0.3140	0.9179	1.2112	0.3340	1.8293	1.9557	2.0157
25	1.2484	0.8397	0.9789	0.3099	0.9290	1.2351	0.3361	1.7312	1.8790	1.4156
30	1.3600	0.8329	0.9511	0.3053	0.9409	1.2587	0.3386	1.6533	1.8211	1.0646
35	1.4891	0.8263	0.9229	0.3003	0.9536	1.2821	0.3421	1.5885	1.7753	0.8422
40	1.6374	0.8201	0.8943	0.2947	0.9673	1.3053	0.3470	1.5325	1.7373	0.6944
45	1.8089	0.8142	0.8653	0.2887	0.9821	1.3285	0.3542	1.4825	1.7048	0.5941
50	2.0124	0.8085	0.8361	0.2822	0.9985	1.3519	0.3654	1.4365	1.6760	0.5274
55	2.2660	0.8031	0.8064	0.2752	1.0169	1.3759	0.3837	1.3929	1.6495	0.4879
60	2.6117	0.7980	0.7765	0.2677	1.0382	1.4009	0.4156	1.3499	1.6239	0.4767
65	3.1739	0.7931	0.7463	0.2598	1.0644	1.4283	0.4810	1.3049	1.5975	0.5094
70	4.5919	0.7884	0.7158	0.2515	1.1014	1.4619	0.6817	1.2516	1.5658	0.6853
75	0.7638	0.7840	0.6850	0.2428						
80	0.8098	0.7798	0.6539	0.2336						
85	0.8509	0.7758	0.6226	0.2241						
90	0.8863	0.7721	0.5911	0.2143						
95	0.9154	0.7686	0.5593	0.2041						
100	0.9378	0.7653	0.5274	0.1936						
105	0.9528	0.7622	0.4953	0.1828						
110	0.9599	0.7593	0.4630	0.1717						
115	0.9586	0.7567	0.4305	0.1605						
120	0.9484	0.7542	0.3979	0.1489						
125	0.9289	0.7520	0.3652	0.1372						
130	0.8996	0.7499	0.3324	0.1253						
135	0.8603	0.7481	0.2994	0.1132						
140	0.8104	0.7464	0.2664	0.1010						
145	0.7497	0.7450	0.2333	0.0886						
150	0.6779	0.7437	0.2001	0.0762						
155	0.5948	0.7426	0.1668	0.0636						
160	0.4999	0.7418	0.1335	0.0510						
165	0.3932	0.7411	0.1002	0.0383						
170	0.2744	0.7406	0.0668	0.0256						
175	0.1434	0.7403	0.0334	0.0128						
180	0.	0.7402	0.	0.						

GAMMA = 0.2000

ALPHA = 8.000

K = 1.400

DC = 2.6916

NR = 1.1643

BR = 1.465549

TR = 62.81

CR = 1.0962

QR = 0.1817E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8816	1.0091	0.3211	0.8816	1.0091	0.3211			
5	0.9978	0.8721	1.0632	0.3174	0.8917	1.1147	0.3248	2.4677	2.5124	16.4139
10	1.0341	0.8631	1.0370	0.3135	0.9023	1.1400	0.3286	2.0842	2.1583	5.6078
15	1.0997	0.8545	1.0105	0.3094	0.9137	1.1650	0.3327	1.8879	1.9872	2.9756
20	1.1900	0.8465	0.9836	0.3051	0.9258	1.1898	0.3374	1.7583	1.8802	1.9003
25	1.3054	0.8386	0.9563	0.3003	0.9388	1.2145	0.3432	1.6618	1.8045	1.3493
30	1.4406	0.8312	0.9287	0.2952	0.9528	1.2392	0.3507	1.5844	1.7467	1.0296
35	1.6052	0.8242	0.9008	0.2898	0.9682	1.2640	0.3610	1.5189	1.7000	0.8308
40	1.8057	0.8174	0.8726	0.2839	0.9852	1.2891	0.3760	1.4612	1.6604	0.7042
45	2.0610	0.8111	0.8441	0.2776	1.0044	1.3151	0.3994	1.4081	1.6252	0.6279
50	2.4164	0.8050	0.8152	0.2709	1.0270	1.3425	0.4396	1.3571	1.5922	0.5958
55	3.0124	0.7992	0.7861	0.2638	1.0553	1.3730	0.5225	1.3046	1.5588	0.6252
60	4.6881	0.7937	0.7567	0.2563	1.0970	1.4122	0.8045	1.2420	1.5187	0.8670
65	0.8311	0.7885	0.7270	0.2484						
70	0.7359	0.7835	0.6970	0.2401						
75	0.7868	0.7788	0.6668	0.2315						
80	0.8333	0.7744	0.6364	0.2226						
85	0.8745	0.7702	0.6058	0.2133						
90	0.9100	0.7662	0.5750	0.2037						
95	0.9391	0.7625	0.5440	0.1938						
100	0.9611	0.7590	0.5128	0.1837						
105	0.9757	0.7558	0.4815	0.1733						
110	0.9821	0.7527	0.4500	0.1627						
115	0.9800	0.7499	0.4184	0.1512						
120	0.9689	0.7473	0.3866	0.1409						
125	0.9484	0.7449	0.3548	0.1297						
130	0.9180	0.7428	0.3228	0.1184						
135	0.8773	0.7408	0.2908	0.1069						
140	0.8261	0.7391	0.2587	0.0953						
145	0.7639	0.7376	0.2263	0.0836						
150	0.6905	0.7362	0.1942	0.0718						
155	0.6056	0.7351	0.1619	0.0600						
160	0.5089	0.7342	0.1296	0.0481						
165	0.4001	0.7335	0.0972	0.0361						
170	0.2792	0.7330	0.0648	0.0241						
175	0.1459	0.7327	0.0324	0.0120						
180	0.	0.7326	0.	0.						

GAMMA = 0.2000

ALPHA = 8.000

K = 1.600

DC = 2.7627

NR = 1.1589

BR = 1.427305

TR = 54.92

CR = 0.9585

QR = 0.1447E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8839	1.0709	0.3191	0.8839	1.0709	0.3191			
5	1.0009	0.8735	1.0440	0.3140	0.8950	1.0968	0.3245	2.3879	2.4311	15.3658
10	1.0454	0.8636	1.0185	0.3090	0.9068	1.1226	0.3305	2.0163	2.0880	5.2704
15	1.1233	0.8544	0.9919	0.3039	0.9196	1.1483	0.3375	1.8251	1.9213	2.8152
20	1.2305	0.8456	0.9650	0.2987	0.9333	1.1739	0.3459	1.6979	1.8162	1.8147
25	1.3671	0.8372	0.9378	0.2933	0.9483	1.1997	0.3569	1.6021	1.7409	1.3050
30	1.5380	0.8293	0.9104	0.2877	0.9648	1.2259	0.3719	1.5243	1.6824	1.0138
35	1.7553	0.8218	0.8827	0.2818	0.9835	1.2528	0.3939	1.4572	1.6340	0.8398
40	2.0476	0.8146	0.8547	0.2755	1.0050	1.2811	0.4291	1.3963	1.5915	0.7423
45	2.4938	0.8079	0.8264	0.2689	1.0312	1.3119	0.4942	1.3373	1.5514	0.7138
50	3.4183	0.8014	0.7979	0.2620	1.0666	1.3487	0.6574	1.2744	1.5090	0.8090
55	0.6813	0.7953	0.7691	0.2548						
60	0.6426	0.7895	0.7401	0.2472						
65	0.7013	0.7840	0.7108	0.2392						
70	0.7568	0.7787	0.6814	0.2310						
75	0.8062	0.7736	0.6517	0.2225						
80	0.8550	0.7691	0.6218	0.2136						
85	0.8964	0.7647	0.5917	0.2045						
90	0.9318	0.7606	0.5615	0.1951						
95	0.9607	0.7567	0.5311	0.1855						
100	0.9824	0.7530	0.5005	0.1756						
105	0.9964	0.7496	0.4698	0.1656						
110	1.0022	0.7464	0.4390	0.1553						
115	0.9993	0.7435	0.4081	0.1449						
120	0.9873	0.7408	0.3771	0.1343						
125	0.9658	0.7383	0.3460	0.1235						
130	0.9342	0.7361	0.3148	0.1127						
135	0.8924	0.7340	0.2835	0.1017						
140	0.8398	0.7322	0.2521	0.0906						
145	0.7763	0.7306	0.2207	0.0795						
150	0.7014	0.7292	0.1893	0.0683						
155	0.6150	0.7281	0.1578	0.0570						
160	0.5166	0.7271	0.1263	0.0456						
165	0.4062	0.7264	0.0947	0.0343						
170	0.2834	0.7259	0.0632	0.0229						
175	0.1480	0.7255	0.0316	0.0114						
180	0.	0.7254	0.	0.						

GAMMA = 0.2000

ALPHA = 8.000

K = 1.800

DC = 2.8274 XR = 1.1548 BR = 1.396751 TR = 48.84 CR = 0.8524 QR = 0.1231E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8858	1.0561	0.3192	0.8858	1.0561	0.3355			
5	1.0043	0.8745	1.0297	0.3125	0.8979	1.0825	0.3267	2.3196	2.3626	14.5014
10	1.0577	0.8639	1.0031	0.3063	0.9110	1.1088	0.3352	1.9580	2.0278	4.9961
15	1.1492	0.8539	0.9764	0.3002	0.9251	1.1353	0.3456	1.7708	1.8644	2.6883
20	1.2758	0.8445	0.9495	0.2942	0.9406	1.1620	0.3590	1.6452	1.7604	1.7510
25	1.4413	0.8357	0.9223	0.2881	0.9578	1.1893	0.3772	1.5493	1.6849	1.2781
30	1.6585	0.8273	0.8949	0.2819	0.9774	1.2176	0.4038	1.4704	1.6251	1.0156
35	1.9604	0.8193	0.8673	0.2759	1.0003	1.2475	0.4469	1.4004	1.5740	0.8734
40	2.4438	0.8118	0.8395	0.2689	1.0286	1.2809	0.5292	1.3337	1.5266	0.8301
45	3.5786	0.8046	0.8114	0.2620	1.0688	1.3224	0.7619	1.2617	1.4758	0.9742
50	0.5345	0.7978	0.7832	0.2548						
55	0.5987	0.7914	0.7547	0.2474						
60	0.6609	0.7853	0.7259	0.2397						
65	0.7204	0.7795	0.6970	0.2317						
70	0.7764	0.7741	0.6679	0.2235						
75	0.8283	0.7689	0.6387	0.2149						
80	0.8752	0.7640	0.6092	0.2062						
85	0.9167	0.7595	0.5794	0.1972						
90	0.9520	0.7551	0.5498	0.1879						
95	0.9805	0.7511	0.5199	0.1785						
100	1.0018	0.7473	0.4899	0.1689						
105	1.0152	0.7437	0.4598	0.1590						
110	1.0204	0.7404	0.4296	0.1491						
115	1.0167	0.7374	0.3992	0.1390						
120	1.0038	0.7346	0.3688	0.1287						
125	0.9813	0.7320	0.3383	0.1183						
130	0.9487	0.7297	0.3078	0.1079						
135	0.9057	0.7276	0.2771	0.0973						
140	0.8520	0.7257	0.2465	0.0867						
145	0.7872	0.7240	0.2158	0.0760						
150	0.7110	0.7226	0.1850	0.0652						
155	0.6232	0.7214	0.1542	0.0544						
160	0.5234	0.7204	0.1234	0.0436						
165	0.4114	0.7197	0.0926	0.0327						
170	0.2870	0.7191	0.0617	0.0218						
175	0.1499	0.7188	0.0309	0.0109						
180	0.	0.7187	0.	0.						

GAMMA = 0.2000

ALPHA = 8.000

K = 2.000

DC = 2.8872 XR = 1.1514 BR = 1.371767 TR = 43.99 CR = 0.7678 QR = 0.1062E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8874	1.0438	0.3209	0.8874	1.0438	0.3372			
5	1.0081	0.8753	1.0170	0.3125	0.9005	1.0707	0.3306	2.2601	2.3010	13.7739
10	1.0711	0.8639	0.9901	0.3049	0.9146	1.0977	0.3421	1.9071	1.9751	4.7689
15	1.1777	0.8533	0.9632	0.2978	0.9304	1.1252	0.3568	1.7229	1.8142	2.5868
20	1.3267	0.8434	0.9362	0.2909	0.9479	1.1532	0.3764	1.5983	1.7109	1.7044
25	1.5286	0.8340	0.9090	0.2841	0.9676	1.1823	0.4048	1.5021	1.6347	1.2665
30	1.8129	0.8251	0.8816	0.2773	0.9908	1.2133	0.4500	1.4207	1.5727	1.0368
35	2.2681	0.8168	0.8541	0.2704	1.0196	1.2479	0.5353	1.3459	1.5173	0.9458
40	3.3143	0.8089	0.8264	0.2634	1.0603	1.2910	0.7703	1.2678	1.4602	1.0611
45	0.4837	0.8014	0.7984	0.2562						
50	0.5502	0.7943	0.7704	0.2488						
55	0.6154	0.7876	0.7421	0.2412						
60	0.6784	0.7812	0.7136	0.2334						
65	0.7385	0.7752	0.6850	0.2253						
70	0.7950	0.7696	0.6562	0.2171						
75	0.8471	0.7642	0.6273	0.2085						
80	0.8942	0.7591	0.5982	0.1998						
85	0.9356	0.7544	0.5690	0.1909						
90	0.9707	0.7499	0.5396	0.1818						
95	0.9989	0.7457	0.5102	0.1725						
100	1.0197	0.7418	0.4806	0.1630						
105	1.0325	0.7381	0.4510	0.1535						
110	1.0370	0.7347	0.4212	0.1437						
115	1.0325	0.7316	0.3914	0.1339						
120	1.0188	0.7287	0.3615	0.1239						
125	0.9953	0.7260	0.3316	0.1139						
130	0.9617	0.7236	0.3016	0.1037						
135	0.9177	0.7215	0.2716	0.0935						
140	0.8628	0.7195	0.2415	0.0833						
145	0.7969	0.7178	0.2114	0.0730						
150	0.7195	0.7163	0.1812	0.0626						
155	0.6304	0.7151	0.1510	0.0522						
160	0.5293	0.7141	0.1209	0.0418						
165	0.4160	0.7133	0.0907	0.0314						
170	0.2901	0.7127	0.0604	0.0209						
175	0.1516	0.7124	0.0302	0.0105						
180	0.	0.7123	0.	0.						

GAMMA=0.2000 ALPHA= 8.000 K= 2.20				
DC= 2.9430		XR= 1.14863		BR= 1.35095
TR=40.0375		CR= 0.69879		QR= 9.33993
THETA	ST	XI	BI	SI
0	1.0000	0.8888	1.0334	0.3238
5	1.0121	0.8758	1.0061	0.3136
10	1.0257	0.8638	0.9790	0.3045
15	1.2084	0.8525	0.9518	0.2963
20	1.3840	0.8420	0.9246	0.2885
25	1.6334	0.8322	0.8974	0.2810
30	2.0219	0.8229	0.8700	0.2736
35	2.6189	0.8142	0.8424	0.2663
40	0.4226	0.8059	0.8148	0.2589
45	0.4978	0.7981	0.7870	0.2514
50	0.5653	0.7908	0.7590	0.2438
55	0.6316	0.7838	0.7309	0.2360
60	0.6951	0.7772	0.7027	0.2280
65	0.7557	0.7710	0.6743	0.2199
70	0.8126	0.7652	0.6458	0.2115
75	0.8649	0.7596	0.6171	0.2030
80	0.9120	0.7544	0.5884	0.1943
85	0.9533	0.7495	0.5595	0.1855
90	0.9881	0.7449	0.5305	0.1764
95	1.0160	0.7406	0.5015	0.1673
100	1.0362	0.7365	0.4723	0.1580
105	1.0485	0.7328	0.4431	0.1486
110	1.0522	0.7293	0.4138	0.1390
115	1.0470	0.7260	0.3844	0.1294
120	1.0323	0.7230	0.355	0.1197
125	1.0079	0.7203	0.3256	0.1100
130	0.9734	0.7178	0.2961	0.1001
135	0.9284	0.7154	0.2666	0.0902
140	0.8725	0.7136	0.2370	0.0803
145	0.8053	0.7117	0.2074	0.0702
150	0.7270	0.7104	0.1778	0.0603
155	0.6368	0.7091	0.1482	0.0503
160	0.5345	0.7081	0.1186	0.0402
165	0.4200	0.7072	0.0889	0.0302
170	0.2929	0.7067	0.0593	0.0201
175	0.1538	0.7063	0.0297	0.0101
180	0.	0.7062	0.	0.

GAMMA=0.2000 ALPHA= 8.000 K= 2.60				
DC= 3.0453		XR= 1.14439		BR= 1.31823
TR=33.9594		CR= 0.59270		QR= 7.54041
THETA	ST	XI	BI	SI
0	1.0000	0.8911	1.0168	0.3320
5	1.0211	0.8765	0.9885	0.3178
10	1.1175	0.8630	0.9606	0.3058
15	1.2787	0.8507	0.9329	0.2952
20	1.5238	0.8392	0.9053	0.2856
25	1.9287	0.8284	0.8778	0.2767
30	2.8682	0.8184	0.8503	0.2682
35	0.3838	0.8090	0.8228	0.2599
40	0.4542	0.8001	0.7952	0.2518
45	0.5245	0.7918	0.7675	0.2437
50	0.5939	0.7839	0.7398	0.2356
55	0.6614	0.7765	0.7119	0.2274
60	0.7263	0.7695	0.6840	0.2192
65	0.7878	0.7630	0.6560	0.2108
70	0.8451	0.7568	0.6279	0.2024
75	0.8976	0.7509	0.5998	0.1938
80	0.9447	0.7454	0.5715	0.1851
85	0.9856	0.7402	0.5432	0.1764
90	1.0198	0.7354	0.5148	0.1675
95	1.0467	0.7308	0.4864	0.1585
100	1.0660	0.7266	0.4580	0.1495
105	1.0769	0.7226	0.4295	0.1404
110	1.0792	0.7190	0.4009	0.1312
115	1.0724	0.7156	0.3724	0.1220
120	1.0561	0.7125	0.3438	0.1127
125	1.0299	0.7096	0.3151	0.1034
130	0.9936	0.7070	0.2865	0.0940
135	0.9467	0.7047	0.2579	0.0846
140	0.8889	0.7026	0.2292	0.0753
145	0.8200	0.7008	0.2006	0.0659
150	0.7395	0.7000	0.1719	0.0565
155	0.6474	0.7000	0.1433	0.0470
160	0.5432	0.7000	0.1146	0.0376
165	0.4266	0.7000	0.0860	0.0282
170	0.2974	0.7000	0.0573	0.0188
175	0.1553	0.7000	0.0287	0.0094
180	0.	0.7000	0.	0.

GAMMA=0.2000 ALPHA= 8.000 K= 3.000				
DC= 3.1382		XR= 1.14124		BR= 1.29366
TR=29.4995		CR= 0.551486		QR= 6.33156
THETA	ST	XI	BI	SI
0	1.0000	0.8929	1.0040	0.3426
5	1.0310	0.8767	0.9747	0.3238
10	1.1934	0.8620	0.9460	0.3086
15	1.3625	0.8485	0.9177	0.2957
20	1.7142	0.8361	0.8897	0.2844
25	2.4879	0.8246	0.8619	0.2740
30	0.3327	0.8139	0.8342	0.2644
35	0.4048	0.8038	0.8065	0.2552
40	0.4774	0.7945	0.7789	0.2464
45	0.5496	0.7856	0.7513	0.2377
50	0.6205	0.7774	0.7237	0.2291
55	0.6892	0.7696	0.6961	0.2206
60	0.7550	0.7622	0.6684	0.2121
65	0.8171	0.7553	0.6407	0.2036
70	0.8748	0.7488	0.6129	0.1950
75	0.9273	0.7427	0.5851	0.1864
80	0.9740	0.7369	0.5573	0.1777
85	1.0144	0.7315	0.5295	0.1690
90	1.0479	0.7265	0.5016	0.1602
95	1.0739	0.7218	0.4737	0.1514
100	1.0919	0.7173	0.4458	0.1426
105	1.1016	0.7132	0.4179	0.1337
110	1.1024	0.7094	0.3900	0.1248
115	1.0940	0.7059	0.3621	0.1158
120	1.0761	0.7027	0.3342	0.1069
125	1.0483	0.6997	0.3063	0.0979
130	1.0102	0.6970	0.2784	0.0889
135	0.9616	0.6946	0.2505	0.0800
140	0.9021	0.6924	0.2226	0.0711
145	0.8315	0.6906	0.1948	0.0622
150	0.7495	0.6889	0.1669	0.0533
155	0.6557	0.6875	0.1391	0.0444
160	0.5499	0.6864	0.1113	0.0355
165	0.4318	0.6855	0.0834	0.0266
170	0.3009	0.6849	0.0556	0.0177
175	0.1571	0.6846	0.0278	0.0089
180	0.	0.6844	0.	0.

GAMMA=0.2000 ALPHA= 8.000 K= 4.000				
DC= 3.13439		XR= 1.13609		BR= 1.25264
TR=22.2308		CR= 0.38800		QR= 4.53402
THETA	ST	XI	BI	SI
0	1.0000	0.8960	0.9823	0.3748
5	1.0607	0.8780	0.9500	0.3430
10	1.2636	0.8583	0.9191	0.3192
15	1.6679	0.8425	0.8892	0.3003
20	2.9706	0.8281	0.8601	0.2845
25	0.2995	0.8149	0.8314	0.2709
30	0.3759	0.8027	0.8032	0.2587
35	0.4532	0.7914	0.7752	0.2475
40	0.5303	0.7810	0.7474	0.2370
45	0.6062	0.7712	0.7198	0.2271
50	0.6801	0.7620	0.6924	0.2175
55	0.7511	0.7534	0.6650	0.2082
60	0.8183	0.7454	0.6377	0.1991
65	0.8812	0.7378	0.6105	0.1901
70	0.9389	0.7307	0.5834	0.1813
75	0.9908	0.7241	0.5563	0.1725
80	1.0364	0.7178	0.5293	0.1638
85	1.0750	0.7120	0.5023	0.1551
90	1.1062	0.7065	0.4754	0.1465
95	1.1294	0.7014	0.4485	0.1379
100	1.1444	0.6967	0.4217	0.1294
105	1.1507	0.6922	0.3950	0.1209
110	1.1479	0.6881	0.3683	0.1125
115	1.1358	0.6844	0.3416	0.1041
120	1.1140	0.6809	0.3151	0.0958
125	1.0823	0.6777	0.2886	0.0876
130	1.0404	0.6748	0.2621	0.0794
135	0.9886	0.6722	0.2357	0.0712
140	0.9250	0.6699	0.2094	0.0631
145	0.8510	0.6679	0.1831	0.0551
150	0.7658	0.6662	0.1568	0.0471
155	0.6691	0.6647	0.1306	0.0392
160	0.5604	0.6635	0.1045	0.0313
165	0.4396	0.6625	0.0783	0.0235
170	0.3062	0.6619	0.0522	0.0156
175	0.1558	0.6615	0.0261	0.0078
180	0.	0.6613	0.	0.

GAMMA = 0.2000

ALPHA = 9.000

K = 0.200

DC = 1.7934

XD = 1.7168

BO = 2.420571

V2 = -0.2521E 01

THEYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8587	1.5444	0.5728	0.8587	1.5444	0.6535			
5	0.9879	0.8564	1.5116	0.5739	0.8610	1.5764	0.6516	3.8756	3.9460	4.018379
10	0.9992	0.8592	1.4781	0.5740	0.8633	1.6076	0.6490	3.8700	3.8868	3.81887
15	1.0256	0.8520	1.4439	0.5731	0.8656	1.6380	0.6457	3.9641	3.1201	7.1851
20	1.0639	0.8499	1.4089	0.5711	0.8680	1.6677	0.6418	2.17674	2.19580	4.14498
25	1.1123	0.8478	1.3731	0.5680	0.8704	1.6966	0.6373	2.16256	2.18477	3.10906
30	1.1691	0.8457	1.3367	0.5639	0.8728	1.7247	0.6322	2.15167	2.17676	2.11908
35	1.2330	0.8437	1.2995	0.5587	0.8753	1.7520	0.6267	2.14295	2.17069	1.16494
40	1.3031	0.8418	1.2616	0.5524	0.8777	1.7788	0.6207	2.13575	2.16597	1.12789
45	1.3781	0.8399	1.2231	0.5450	0.8802	1.8043	0.6143	2.12969	2.16221	1.10139
50	1.4571	0.8380	1.1839	0.5364	0.8827	1.8293	0.6076	2.12449	2.15916	0.81178
55	1.5391	0.8362	1.1440	0.5268	0.8851	1.8535	0.6006	2.11997	2.15666	0.16889
60	1.6232	0.8345	1.1035	0.5160	0.8876	1.8770	0.5934	2.11600	2.15458	0.15532
65	1.7084	0.8328	1.0624	0.5042	0.8901	1.8997	0.5860	2.11249	2.15285	0.14618
70	1.7940	0.8312	1.0207	0.4912	0.8926	1.9217	0.5784	2.10935	2.15139	0.13886
75	1.8790	0.8296	0.9784	0.4772	0.8951	1.9430	0.5707	2.10663	2.15015	0.13292
80	1.9626	0.8281	0.9356	0.4621	0.8975	1.9635	0.5631	2.10399	2.14909	0.12805
85	2.0442	0.8267	0.8922	0.4460	0.9000	1.9833	0.5554	2.10168	2.14818	0.12403
90	2.1228	0.8253	0.8483	0.4290	0.9024	2.0024	0.5478	2.19958	2.14740	0.12068
95	2.1979	0.8241	0.8040	0.4109	0.9049	2.0209	0.5404	1.97866	2.14673	0.11787
100	2.2688	0.8228	0.7591	0.3919	0.9073	2.0386	0.5331	1.95899	2.14615	0.11551
105	2.3350	0.8217	0.7139	0.3720	0.9097	2.0557	0.5260	1.94228	2.14565	0.11351
110	2.3959	0.8206	0.6682	0.3513	0.9120	2.0722	0.5191	1.92788	2.14521	0.11182
115	2.4509	0.8196	0.6221	0.3298	0.9144	2.0886	0.5126	1.91411	2.14483	0.11037
120	2.4999	0.8186	0.5757	0.3075	0.9167	2.1032	0.5064	1.90131	2.14449	0.10915
125	2.5423	0.8178	0.5289	0.2844	0.9190	2.1179	0.5005	1.88895	2.14420	0.10810
130	2.5780	0.8170	0.4818	0.2608	0.9212	2.1319	0.4951	1.87861	2.14395	0.10721
135	2.6067	0.8162	0.4344	0.2365	0.9234	2.1454	0.4900	1.86864	2.14372	0.10646
140	2.6283	0.8156	0.3868	0.2116	0.9256	2.1583	0.4855	1.85889	2.14353	0.10582
145	2.6428	0.8150	0.3390	0.1863	0.9278	2.1706	0.4814	1.85011	2.14336	0.10529
150	2.6503	0.8145	0.2909	0.1605	0.9299	2.1825	0.4778	1.84191	2.14320	0.10485
155	2.6508	0.8141	0.2427	0.1343	0.9320	2.1939	0.4747	1.83442	2.14307	0.10449
160	2.6447	0.8137	0.1943	0.1078	0.9340	2.2047	0.4722	1.82720	2.14295	0.10421
165	2.6321	0.8133	0.1458	0.0811	0.9360	2.2151	0.4702	1.82033	2.14285	0.10399
170	2.6136	0.8133	0.0973	0.0542	0.9379	2.2251	0.4688	1.81411	2.14276	0.10384
175	2.5897	0.8132	0.0487	0.0271	0.9398	2.2346	0.4679	1.80821	2.14268	0.10375
180	2.5609	0.8131	0.	0.	0.9417	2.2437	0.4676	1.80271	2.14261	0.10372

GAMMA = 0.2000

ALPHA = 9.000

K = 0.300

DC = 1.9395

XD = 1.5226

BO = 2.185541

V2 = -0.2520E 01

THEYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8652	1.4235	0.4812	0.8652	1.4235	0.5413			
5	0.9884	0.8623	1.3936	0.4828	0.8682	1.4526	0.5389	3.5646	3.5683	3.13424
10	1.0007	0.8594	1.3630	0.4835	0.8712	1.4810	0.5359	2.9579	3.0634	1.12811
15	1.0284	0.8566	1.3317	0.4834	0.8743	1.5087	0.5322	2.3618	2.18227	5.8651
20	1.0683	0.8539	1.2997	0.4823	0.8774	1.5356	0.5279	2.5044	2.16767	3.16324
25	1.1184	0.8512	1.2670	0.4803	0.8806	1.5617	0.5231	2.3764	2.15771	2.14744
30	1.1771	0.8485	1.2336	0.4773	0.8838	1.5871	0.5178	2.12781	2.15049	1.17894
35	1.2431	0.8460	1.1994	0.4733	0.8871	1.6117	0.5120	2.11993	2.14502	1.15462
40	1.3152	0.8435	1.1647	0.4684	0.8903	1.6356	0.5058	2.11343	2.14075	1.10464
45	1.3921	0.8411	1.1293	0.4625	0.8936	1.6588	0.4993	2.10795	2.13735	0.83038
50	1.4729	0.8388	1.0932	0.4556	0.8970	1.6812	0.4924	2.10324	2.13459	0.6713
55	1.5564	0.8365	1.0565	0.4477	0.9003	1.7029	0.4853	1.99914	2.13232	0.15502
60	1.6416	0.8343	1.0192	0.4388	0.9037	1.7238	0.4779	1.95553	2.13044	0.14562
65	1.7276	0.8322	0.9814	0.4290	0.9071	1.7441	0.4704	1.92233	2.12885	0.13820
70	1.8134	0.8302	0.9430	0.4182	0.9105	1.7636	0.4627	1.8947	2.12752	0.13226
75	1.8980	0.8283	0.9040	0.4065	0.9139	1.7824	0.4550	1.8689	2.12638	0.12744
80	1.9807	0.8264	0.8645	0.3938	0.9174	1.8009	0.4473	1.8456	2.12541	0.12348
85	2.0605	0.8246	0.8245	0.3803	0.9208	1.8186	0.4396	1.8244	2.12457	0.12021
90	2.1367	0.8229	0.7840	0.3658	0.9242	1.8348	0.4320	1.8060	2.12385	0.11749
95	2.2086	0.8213	0.7430	0.3506	0.9277	1.8509	0.4245	1.7872	2.12322	0.11521
100	2.2755	0.8198	0.7016	0.3345	0.9311	1.8664	0.4172	1.7708	2.12268	0.11328
105	2.3369	0.8184	0.6598	0.3176	0.9345	1.8813	0.4101	1.7557	2.12220	0.11165
110	2.3921	0.8171	0.6176	0.3000	0.9379	1.8956	0.4033	1.7418	2.12179	0.11027
115	2.4407	0.8158	0.5751	0.2816	0.9412	1.9092	0.3967	1.7288	2.12142	0.10909
120	2.4824	0.8146	0.5322	0.2626	0.9446	1.9223	0.3905	1.7168	2.12110	0.10809
125	2.5168	0.8136	0.4890	0.2430	0.9479	1.9349	0.3847	1.7056	2.12082	0.10723
130	2.5437	0.8126	0.4454	0.2228	0.9512	1.9469	0.3792	1.6952	2.12057	0.10650
135	2.5629	0.8117	0.4017	0.2021	0.9545	1.9583	0.3742	1.6854	2.12035	0.10588
140	2.5744	0.8109	0.3576	0.1809	0.9577	1.9693	0.3697	1.6763	2.12016	0.10535
145	2.5781	0.8102	0.3134	0.1592	0.9609	1.9798	0.3656	1.6678	2.11998	0.10491
150	2.5743	0.8096	0.2690	0.1372	0.9641	1.9897	0.3620	1.6598	2.11983	0.10455
155	2.5629	0.8091	0.2244	0.1148	0.9672	1.9993	0.3589	1.6523	2.11970	0.10425
160	2.5455	0.8087	0.1797	0.0922	0.9703	2.0084	0.3565	1.6452	2.11958	0.10401
165	2.5210	0.8083	0.1349	0.0693	0.9734	2.0170	0.3546	1.6386	2.11947	0.10383
170	2.4899	0.8081	0.0900	0.0463	0.9764	2.0253	0.3532	1.6324	2.11937	0.10371
175	2.4533	0.8080	0.0450	0.0232	0.9793	2.0332	0.3524	1.6265	2.11929	0.10363
180	2.4118	0.8079	0.	0.	0.9822	2.0407	0.3521	1.6210	2.11921	0.10361

GAMMA = 0.2000

ALPHA = 9.000

K = 0.400

DC = 2.0469 XR = 1.2852 BR = 2.022411 TR = 99.77 CR = 10.8251 QR = 0.2277E 07										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8702	1.3469	0.4280	0.8702	1.3469	0.4652			
5	0.9887	0.8667	1.3188	0.4298	0.8738	1.3743	0.4626	3.2836	3.3228	28.8764
10	1.0016	0.8633	1.2901	0.4309	0.8775	1.4009	0.4594	2.7550	2.8532	9.7711
15	1.0300	0.8599	1.2606	0.4311	0.8813	1.4269	0.4556	2.4983	2.6295	5.0814
20	1.0710	0.8566	1.2304	0.4304	0.8851	1.4521	0.4513	2.3324	2.4938	3.1489
25	1.1224	0.8534	1.1995	0.4289	0.8890	1.4765	0.4464	2.2144	2.4012	2.1472
30	1.1826	0.8503	1.1680	0.4265	0.8929	1.5002	0.4410	2.1229	2.3340	1.5551
35	1.2502	0.8473	1.1358	0.4232	0.8969	1.5232	0.4352	2.0495	2.2830	1.1740
40	1.3239	0.8444	1.1029	0.4190	0.9010	1.5455	0.4290	1.9888	2.2432	0.9136
45	1.4025	0.8415	1.0695	0.4139	0.9051	1.5670	0.4224	1.9375	2.2114	0.7276
50	1.4847	0.8388	1.0354	0.4079	0.9093	1.5879	0.4155	1.8934	2.1855	0.5902
55	1.5695	0.8361	1.0007	0.4010	0.9135	1.6080	0.4084	1.8549	2.1642	0.4859
60	1.6557	0.8336	0.9654	0.3932	0.9176	1.6274	0.4010	1.8209	2.1464	0.4050
65	1.7423	0.8311	0.9296	0.3845	0.9221	1.6460	0.3935	1.7906	2.1314	0.3411
70	1.8282	0.8287	0.8933	0.3749	0.9265	1.6640	0.3859	1.7635	2.1186	0.2899
75	1.9125	0.8265	0.8564	0.3645	0.9309	1.6813	0.3783	1.7389	2.1077	0.2484
80	1.9943	0.8243	0.8190	0.3532	0.9353	1.6980	0.3706	1.7166	2.0983	0.2144
85	2.0726	0.8223	0.7811	0.3411	0.9397	1.7139	0.3629	1.6962	2.0902	0.1862
90	2.1467	0.8203	0.7428	0.3282	0.9442	1.7293	0.3554	1.6775	2.0832	0.1627
95	2.2158	0.8185	0.7040	0.3146	0.9487	1.7439	0.3479	1.6603	2.0770	0.1430
100	2.2793	0.8167	0.6648	0.3002	0.9532	1.7580	0.3407	1.6443	2.0716	0.1264
105	2.3520	0.8151	0.6252	0.2850	0.9577	1.7715	0.3367	1.6295	2.0668	0.1142
110	2.3997	0.8135	0.5852	0.2692	0.9623	1.7843	0.3293	1.6157	2.0626	0.1016
115	2.4421	0.8121	0.5449	0.2528	0.9668	1.7966	0.3226	1.6029	2.0589	0.0911
120	2.4775	0.8107	0.5043	0.2358	0.9714	1.8084	0.3164	1.5909	2.0556	0.0823
125	2.5054	0.8095	0.4633	0.2182	0.9759	1.8195	0.3105	1.5796	2.0527	0.0748
130	2.5253	0.8084	0.4221	0.2000	0.9804	1.8302	0.3051	1.5690	2.0500	0.0683
135	2.5371	0.8074	0.3806	0.1814	0.9850	1.8404	0.3002	1.5591	2.0477	0.0629
140	2.5407	0.8064	0.3389	0.1624	0.9895	1.8501	0.2956	1.5497	2.0456	0.0583
145	2.5362	0.8056	0.2970	0.1430	0.9940	1.8593	0.2916	1.5408	2.0437	0.0544
150	2.5238	0.8049	0.2549	0.1232	0.9985	1.8680	0.2881	1.5324	2.0420	0.0512
155	2.5036	0.8044	0.2126	0.1031	1.0030	1.8763	0.2851	1.5244	2.0404	0.0486
160	2.4761	0.8039	0.1703	0.0828	1.0074	1.8842	0.2826	1.5169	2.0391	0.0465
165	2.4416	0.8035	0.1278	0.0623	1.0119	1.8917	0.2806	1.5097	2.0378	0.0449
170	2.4008	0.8032	0.0852	0.0416	1.0163	1.8988	0.2792	1.5029	2.0367	0.0438
175	2.3544	0.8031	0.0426	0.0208	1.0206	1.9056	0.2784	1.4964	2.0356	0.0431
180	2.3030	0.8030	0.	0.	1.0250	1.9119	0.2781	1.4903	2.0347	0.0429

GAMMA = 0.2000

ALPHA = 9.000

K = 0.500

DC = 2.1321 XR = 1.2272 BR = 1.888197 TR = 112.65 CR = 4.3171 QR = 0.1876E 04										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8743	1.2927	0.3930	0.8743	1.2927	0.3930			
5	0.9881	0.8702	1.2659	0.3949	0.8785	1.3189	0.3904	3.0882	3.1443	25.8242
10	0.9998	0.8662	1.2383	0.3961	0.8828	1.3444	0.3870	2.6077	2.7006	8.7363
15	1.0270	0.8624	1.2100	0.3964	0.8871	1.3692	0.3830	2.3652	2.4893	4.5431
20	1.0666	0.8586	1.1811	0.3960	0.8916	1.3932	0.3783	2.2091	2.3608	2.8160
25	1.1165	0.8549	1.1515	0.3947	0.8962	1.4165	0.3730	2.0964	2.2732	1.9214
30	1.1749	0.8514	1.1213	0.3927	0.9009	1.4392	0.3671	2.0097	2.2095	1.3931
35	1.2405	0.8479	1.0904	0.3897	0.9056	1.4611	0.3607	1.9400	2.1611	1.0532
40	1.3116	0.8446	1.0589	0.3860	0.9105	1.4823	0.3538	1.8822	2.1232	0.8211
45	1.3869	0.8414	1.0268	0.3813	0.9154	1.5027	0.3465	1.8334	2.0928	0.6555
50	1.4651	0.8383	0.9941	0.3759	0.9204	1.5225	0.3387	1.7912	2.0680	0.5330
55	1.5449	0.8353	0.9608	0.3696	0.9256	1.5416	0.3306	1.7542	2.0475	0.4401
60	1.6249	0.8324	0.9270	0.3624	0.9307	1.5599	0.3222	1.7215	2.0302	0.3681
65	1.7040	0.8297	0.8926	0.3544	0.9360	1.5776	0.3134	1.6922	2.0156	0.3111
70	1.7809	0.8270	0.8577	0.3456	0.9414	1.5946	0.3045	1.6658	2.0031	0.2654
75	1.8546	0.8245	0.8222	0.3360	0.9468	1.6109	0.2953	1.6418	1.9924	0.2283
80	1.9239	0.8221	0.7863	0.3257	0.9523	1.6266	0.2860	1.6199	1.9831	0.1978
85	1.9877	0.8198	0.7500	0.3145	0.9579	1.6416	0.2766	1.5998	1.9749	0.1726
90	2.0451	0.8176	0.7132	0.3026	0.9635	1.6560	0.2671	1.5811	1.9677	0.1514
95	2.0950	0.8155	0.6759	0.2900	0.9692	1.6698	0.2576	1.5638	1.9614	0.1336
100	2.1366	0.8135	0.6383	0.2767	0.9750	1.6830	0.2481	1.5477	1.9558	0.1185
105	2.1691	0.8117	0.6003	0.2628	0.9808	1.6955	0.2386	1.5326	1.9508	0.1056
110	2.1917	0.8100	0.5619	0.2482	0.9867	1.7075	0.2292	1.5185	1.9464	0.0945
115	2.2036	0.8084	0.5232	0.2331	0.9927	1.7190	0.2199	1.5051	1.9423	0.0850
120	2.2305	0.8069	0.4841	0.2173	0.9987	1.7299	0.2036	1.4925	1.9387	0.1273
125	2.2646	0.8056	0.4448	0.2011	1.0048	1.7402	0.2859	1.4805	1.9354	0.1086
130	2.2737	0.8043	0.4052	0.1844	1.0110	1.7501	0.2747	1.4691	1.9324	0.0969
135	2.2702	0.8032	0.3654	0.1672	1.0172	1.7595	0.2664	1.4583	1.9297	0.0885
140	2.2703	0.8022	0.3253	0.1497	1.0235	1.7684	0.2597	1.4479	1.9272	0.0820
145	2.2637	0.8013	0.2851	0.1318	1.0299	1.7769	0.2541	1.4379	1.9248	0.0769
150	2.2593	0.8005	0.2447	0.1135	1.0363	1.7849	0.2495	1.4283	1.9227	0.0728
155	2.2626	0.7999	0.2041	0.0950	1.0428	1.7925	0.2457	1.4190	1.9207	0.0696
160	2.2594	0.7993	0.1635	0.0763	1.0493	1.7997	0.2426	1.4101	1.9189	0.0670
165	2.2540	0.7989	0.1227	0.0574	1.0560	1.8066	0.2403	1.4014	1.9171	0.0652
170	2.2508	0.7986	0.0818	0.0383	1.0627	1.8131	0.2386	1.3929	1.9155	0.0639
175	2.24595	0.7984	0.0409	0.0192	1.0696	1.8192	0.2376	1.3846	1.9140	0.0631
180	2.4071	0.7984	0.	0.	1.0765	1.8250	0.2373	1.3765	1.9125	0.0628

GAMMA = 0.2000

ALPHA = 9.000

K = 0.600

DC = 2.2030

XR = 1.2026

BR = 1.787597

TR = 179.89

CR = 3.1397

QR = 0.4009E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8777	1.2518	0.3684	0.8777	1.2518	0.4056			
5	0.9889	0.8731	1.2258	0.3703	0.8824	1.2771	0.3658	2.9520	3.0056	23.5738
10	1.0021	0.8686	1.1991	0.3714	0.8872	1.3018	0.3626	2.4933	2.5821	7.9757
15	1.0315	0.8642	1.1717	0.3718	0.8922	1.3258	0.3588	2.2614	2.3800	4.1496
20	1.0740	0.8600	1.1437	0.3714	0.8973	1.3490	0.3543	2.1124	2.2574	2.5747
25	1.1275	0.8560	1.1151	0.3703	0.9026	1.3716	0.3492	2.0046	2.1736	1.7597
30	1.1901	0.8520	1.0858	0.3683	0.9080	1.3935	0.3436	1.9215	2.1125	1.2787
35	1.2602	0.8482	1.0559	0.3656	0.9135	1.4146	0.3375	1.8546	2.0660	0.9696
40	1.3362	0.8445	1.0253	0.3621	0.9191	1.4351	0.3310	1.7990	2.0295	0.7587
45	1.4168	0.8409	0.9942	0.3577	0.9249	1.4549	0.3240	1.7517	2.0000	0.6082
50	1.5004	0.8375	0.9625	0.3526	0.9308	1.4740	0.3166	1.7107	1.9759	0.4972
55	1.5858	0.8342	0.9303	0.3467	0.9368	1.4924	0.3090	1.6747	1.9558	0.4129
60	1.6716	0.8311	0.8975	0.3400	0.9430	1.5101	0.3010	1.6426	1.9388	0.3476
65	1.7567	0.8280	0.8642	0.3324	0.9493	1.5272	0.2928	1.6138	1.9243	0.2961
70	1.8397	0.8251	0.8304	0.3242	0.9557	1.5436	0.2843	1.5877	1.9118	0.2549
75	1.9197	0.8223	0.7961	0.3152	0.9623	1.5593	0.2758	1.5637	1.9009	0.2214
80	1.9954	0.8197	0.7613	0.3054	0.9690	1.5744	0.2671	1.5417	1.8914	0.1940
85	2.0659	0.8172	0.7261	0.2949	0.9759	1.5889	0.2584	1.5213	1.8829	0.1713
90	2.1304	0.8148	0.6904	0.2838	0.9829	1.6028	0.2496	1.5022	1.8754	0.1524
95	2.1878	0.8125	0.6543	0.2719	0.9901	1.6161	0.2409	1.4844	1.8687	0.1366
100	2.2376	0.8104	0.6179	0.2594	0.9975	1.6288	0.2322	1.4675	1.8626	0.1233
105	2.2789	0.8084	0.5811	0.2463	1.0050	1.6410	0.2237	1.4515	1.8571	0.1121
110	2.3114	0.8066	0.5439	0.2327	1.0128	1.6527	0.2154	1.4363	1.8521	0.1026
115	2.3347	0.8048	0.5064	0.2184	1.0207	1.6638	0.2072	1.4217	1.8474	0.0947
120	2.3485	0.8032	0.4686	0.2037	1.0289	1.6744	0.1994	1.4077	1.8431	0.0880
125	2.3529	0.8017	0.4305	0.1885	1.0373	1.6846	0.1918	1.3940	1.8391	0.0825
130	2.3482	0.8004	0.3922	0.1728	1.0460	1.6943	0.1847	1.3808	1.8353	0.0780
135	2.3352	0.7992	0.3537	0.1567	1.0550	1.7036	0.1780	1.3677	1.8316	0.0745
140	2.3151	0.7981	0.3149	0.1402	1.0644	1.7125	0.1719	1.3548	1.8282	0.0720
145	2.2903	0.7971	0.2759	0.1234	1.0742	1.7211	0.1666	1.3420	1.8248	0.0705
150	2.2645	0.7963	0.2368	0.1064	1.0846	1.7294	0.1622	1.3289	1.8215	0.0702
155	2.2444	0.7956	0.1976	0.0890	1.0957	1.7376	0.1592	1.3156	1.8180	0.0715
160	2.2428	0.7950	0.1582	0.0715	1.1078	1.7465	0.1583	1.3017	1.8145	0.0748
165	2.2871	0.7945	0.1187	0.0538	1.1212	1.7534	0.1610	1.2868	1.8107	0.0819
170	2.4493	0.7942	0.0792	0.0359	1.1368	1.7616	0.1713	1.2700	1.8065	0.0965
175	3.0280	0.7940	0.0396	0.0180	1.1567	1.7707	0.2061	1.2492	1.8011	0.1354
180	0.	0.7940	0.	0.						

GAMMA = 0.2000

ALPHA = 9.000

K = 0.600

DC = 2.3172

XR = 1.1763

BR = 1.648727

TR = 122.77

CR = 2.1428

QR = 0.1059E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8830	1.1933	0.3367	0.8830	1.1933	0.3739			
5	0.9905	0.8774	1.1684	0.3382	0.8887	1.2176	0.3346	2.7497	2.7995	20.4154
10	1.0073	0.8720	1.1428	0.3390	0.8947	1.2413	0.3319	2.3228	2.4054	6.9107
15	1.0420	0.8668	1.1166	0.3392	0.9008	1.2643	0.3286	2.1076	2.2180	3.6016
20	1.0917	0.8618	1.0898	0.3387	0.9072	1.2867	0.3249	1.9683	2.1034	2.2417
25	1.1539	0.8570	1.0624	0.3375	0.9138	1.3084	0.3206	1.8674	2.0249	1.5392
30	1.2267	0.8523	1.0344	0.3356	0.9206	1.3294	0.3159	1.7892	1.9673	1.1254
35	1.3082	0.8479	1.0058	0.3330	0.9276	1.3498	0.3108	1.7258	1.9232	0.8601
40	1.3970	0.8435	0.9766	0.3296	0.9349	1.3696	0.3054	1.6728	1.8882	0.6794
45	1.4915	0.8394	0.9469	0.3255	0.9424	1.3888	0.2997	1.6273	1.8597	0.5509
50	1.5906	0.8354	0.9166	0.3207	0.9502	1.4073	0.2937	1.5875	1.8360	0.4564
55	1.6931	0.8316	0.8858	0.3152	0.9583	1.4252	0.2877	1.5521	1.8160	0.3852
60	1.7980	0.8279	0.8545	0.3090	0.9667	1.4425	0.2815	1.5202	1.7988	0.3304
65	1.9047	0.8244	0.8227	0.3020	0.9755	1.4593	0.2754	1.4911	1.7838	0.2877
70	2.0125	0.8211	0.7904	0.2944	0.9847	1.4755	0.2694	1.4642	1.7705	0.2541
75	2.1214	0.8179	0.7577	0.2861	0.9942	1.4911	0.2636	1.4390	1.7586	0.2277
80	2.2317	0.8149	0.7245	0.2772	1.0043	1.5063	0.2583	1.4152	1.7478	0.2069
85	2.3449	0.8120	0.6909	0.2676	1.0149	1.5211	0.2537	1.3925	1.7379	0.1909
90	2.4634	0.8093	0.6569	0.2573	1.0262	1.5355	0.2502	1.3706	1.7286	0.1793
95	2.5923	0.8067	0.6226	0.2465	1.0384	1.5496	0.2481	1.3491	1.7197	0.1718
100	2.7411	0.8043	0.5878	0.2351	1.0516	1.5635	0.2486	1.3276	1.7111	0.1688
105	2.9296	0.8021	0.5528	0.2232	1.0662	1.5774	0.2532	1.3057	1.7024	0.1717
110	3.2038	0.7999	0.5174	0.2107	1.0830	1.5916	0.2661	1.2825	1.6933	0.1842
115	3.7071	0.7980	0.4817	0.1978	1.1035	1.6069	0.2995	1.2564	1.6831	0.2182
120	5.3079	0.7962	0.4457	0.1844	1.1326	1.6256	0.4282	1.2224	1.6692	0.3486
125	1.0015	0.7945	0.4095	0.1706						
130	0.9736	0.7930	0.3730	0.1563						
135	0.9342	0.7916	0.3363	0.1418						
140	0.8828	0.7904	0.2994	0.1268						
145	0.8189	0.7893	0.2624	0.1116						
150	0.7423	0.7884	0.2252	0.0962						
155	0.6525	0.7876	0.1879	0.0805						
160	0.5494	0.7869	0.1504	0.0646						
165	0.4327	0.7864	0.1129	0.0486						
170	0.3022	0.7861	0.0753	0.0325						
175	0.1580	0.7858	0.0377	0.0162						
180	0.	0.7858	0.	0.						

GAMMA = 0.2000

ALPHA = 9.000

K = 1.000

OC = 2.4079

XR = 1.1618

BR = 1.557456

TR = 95.03

GR = 1.6506

QR = 0.5463E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8870	1.1531	0.3181	0.8870	1.1531	0.3554			
5	0.9924	0.8805	1.1287	0.3190	0.8937	1.1789	0.3168	2.6024	2.6496	1.2615
10	1.0133	0.8743	1.1037	0.3193	0.9007	1.2001	0.3149	2.1190	2.2771	6.1878
15	1.0547	0.8604	1.0782	0.3191	0.9080	1.2227	0.3126	1.9949	2.0994	3.2335
20	1.1132	0.8627	1.0521	0.3182	0.9156	1.2457	0.3100	1.8628	1.9907	2.0216
25	1.1866	0.8572	1.0254	0.3167	0.9235	1.2661	0.3070	1.7665	1.9157	1.3968
30	1.2720	0.8519	0.9982	0.3146	0.9318	1.2870	0.3038	1.6913	1.8603	1.0296
35	1.3687	0.8468	0.9704	0.3119	0.9405	1.3073	0.3005	1.6300	1.8174	0.7949
40	1.4754	0.8420	0.9421	0.3085	0.9496	1.3271	0.2971	1.5781	1.7830	0.6360
45	1.5910	0.8373	0.9133	0.3044	0.9591	1.3466	0.2938	1.5331	1.7545	0.5238
50	1.7155	0.8329	0.8839	0.2997	0.9692	1.3652	0.2909	1.4932	1.7304	0.4424
55	1.8494	0.8286	0.8541	0.2943	0.9800	1.3836	0.2885	1.4570	1.7096	0.3824
60	1.9941	0.8245	0.8238	0.2889	0.9914	1.4017	0.2871	1.4237	1.6911	0.3381
65	2.1532	0.8207	0.7930	0.2817	1.0037	1.4198	0.2871	1.3925	1.6745	0.3060
70	2.3339	0.8170	0.7618	0.2744	1.0171	1.4370	0.2896	1.3626	1.6591	0.2842
75	2.5484	0.8134	0.7302	0.2665	1.0320	1.4547	0.2961	1.3334	1.6444	0.2727
80	2.8290	0.8101	0.6981	0.2580	1.0489	1.4727	0.3102	1.3029	1.6299	0.2736
85	3.2676	0.8069	0.6657	0.2490	1.0690	1.4917	0.3413	1.2728	1.6148	0.2947
90	4.1871	0.8040	0.6329	0.2393	1.0954	1.5135	0.4265	1.2367	1.5971	0.3732
95	0.9967	0.8011	0.5997	0.2292						
100	1.0263	0.7985	0.5662	0.2185						
105	1.0477	0.7960	0.5323	0.2073						
110	1.0604	0.7937	0.4982	0.1957						
115	1.0635	0.7916	0.4638	0.1836						
120	1.0565	0.7896	0.4291	0.1711						
125	1.0385	0.7878	0.3942	0.1582						
130	1.0094	0.7861	0.3591	0.1450						
135	0.9683	0.7846	0.3237	0.1314						
140	0.9148	0.7833	0.2882	0.1176						
145	0.8485	0.7821	0.2525	0.1035						
150	0.7689	0.7811	0.2167	0.0891						
155	0.6758	0.7802	0.1808	0.0746						
160	0.5689	0.7795	0.1448	0.0598						
165	0.4480	0.7790	0.1086	0.0450						
170	0.3122	0.7784	0.0725	0.0301						
175	0.1636	0.7774	0.0362	0.0150						
180	0.	0.7773	0.	0.						

GAMMA = 0.2000

ALPHA = 91.000

K = 1.200

OC = 2.4835

XR = 1.1524

BR = 1.492781

TR = 78.05

GR = 1.3623

QR = 0.3585E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8902	1.1234	0.3070	0.8902	1.1234	0.3442			
5	0.9946	0.8829	1.0993	0.3070	0.8978	1.1470	0.3065	2.4882	2.5332	16.6729
10	1.0203	0.8759	1.0747	0.3066	0.9058	1.1701	0.3058	2.1026	2.1774	5.6583
15	1.0696	0.8692	1.0495	0.3058	0.9142	1.1928	0.3049	1.9074	2.0073	2.9674
20	1.1385	0.8629	1.0238	0.3044	0.9231	1.2143	0.3038	1.7803	1.9027	1.8656
25	1.2248	0.8568	0.9976	0.3026	0.9324	1.2363	0.3027	1.6870	1.8300	1.2990
30	1.3268	0.8509	0.9709	0.3001	0.9423	1.2575	0.3018	1.6137	1.7758	0.9673
35	1.4438	0.8454	0.9437	0.2971	0.9528	1.2782	0.3014	1.5532	1.7333	0.7566
40	1.5761	0.8400	0.9160	0.2936	0.9640	1.2988	0.3017	1.5015	1.6986	0.6155
45	1.7253	0.8350	0.8878	0.2894	0.9761	1.3188	0.3032	1.4558	1.6694	0.5182
50	1.8956	0.8301	0.8591	0.2846	0.9892	1.3388	0.3068	1.4144	1.6440	0.4506
55	2.0959	0.8255	0.8299	0.2793	1.0036	1.3589	0.3138	1.3760	1.6212	0.4053
60	2.3422	0.8210	0.8003	0.2734	1.0199	1.3792	0.3267	1.3391	1.6000	0.3794
65	2.6389	0.8168	0.7703	0.2669	1.0387	1.4004	0.3515	1.3024	1.5794	0.3751
70	3.2341	0.8128	0.7399	0.2598	1.0620	1.4236	0.4058	1.2636	1.5579	0.4076
75	4.7367	0.8090	0.7090	0.2521	1.0955	1.4452	0.5898	1.2166	1.5315	0.5754
80	0.8982	0.8054	0.6778	0.2440						
85	0.9486	0.8020	0.6462	0.2353						
90	0.9930	0.7988	0.6143	0.2260						
95	1.0307	0.7958	0.5820	0.2163						
100	1.0607	0.7929	0.5494	0.2061						
105	1.0824	0.7903	0.5165	0.1955						
110	1.0950	0.7878	0.4834	0.1845						
115	1.0978	0.7855	0.4499	0.1730						
120	1.0901	0.7834	0.4163	0.1612						
125	1.0714	0.7815	0.3824	0.1490						
130	1.0409	0.7797	0.3483	0.1365						
135	0.9983	0.7781	0.3140	0.1237						
140	0.9429	0.7767	0.2795	0.1106						
145	0.8743	0.7754	0.2449	0.0973						
150	0.7922	0.7743	0.2102	0.0838						
155	0.6962	0.7734	0.1753	0.0701						
160	0.5860	0.7727	0.1404	0.0563						
165	0.4614	0.7721	0.1053	0.0423						
170	0.3223	0.7717	0.0703	0.0283						
175	0.1685	0.7714	0.0351	0.0141						
180	0.	0.7714	0.	0.						

GAMMA = 0.2000

ALPHA = 9.060

K = 1.400

DC = 2.5487	XR = 1.1457	BR = 1.444484	TR = 66.43	GR = 1.1595	QR = 0.2648E 02					
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8927	1.1006	0.13004	0.8927	1.1006	0.3378			
5	0.9967	0.8846	1.0766	0.2994	0.9013	1.11242	0.3011	2.13957	2.4390	15.4399
10	1.0283	0.8789	1.0520	0.2982	0.9103	1.11474	0.3018	2.10245	2.0965	5.2508
15	1.0865	0.8896	1.0271	0.2967	0.9198	1.11701	0.3026	1.8962	1.9324	2.7658
20	1.1677	0.8823	1.0016	0.2948	0.9300	1.11925	0.3036	1.7326	1.8906	1.7506
25	1.2698	0.8560	0.9757	0.2924	0.9408	1.12148	0.3053	1.6214	1.7594	1.2302
30	1.3926	0.8497	0.9493	0.2896	0.9525	1.12364	0.3079	1.5490	1.7057	0.9274
35	1.5374	0.8437	0.9225	0.2869	0.9651	1.12581	0.3121	1.4886	1.6629	0.7376
40	1.7087	0.8379	0.8952	0.2825	0.9789	1.12797	0.3189	1.4359	1.6273	0.6139
45	1.9166	0.8324	0.8674	0.2781	0.9943	1.13013	0.3303	1.3884	1.5964	0.5339
50	2.1627	0.8272	0.8392	0.2733	1.0118	1.13232	0.3498	1.3438	1.5684	0.4877
55	2.5632	0.8222	0.8106	0.2679	1.0326	1.13481	0.3865	1.3001	1.5415	0.4763
60	3.2529	0.8175	0.7815	0.2619	1.0593	1.13752	0.4717	1.2537	1.5133	0.5257
65	4.1171	0.8130	0.7521	0.2555	1.1034	1.14132	0.9089	1.1925	1.4755	0.9359
70	0.8089	0.8088	0.7222	0.2485						
75	0.8701	0.8047	0.6920	0.2410						
80	0.9268	0.8009	0.6614	0.2331						
85	0.9782	0.7973	0.6305	0.2246						
90	1.0234	0.7939	0.5993	0.2157						
95	1.0618	0.7907	0.5677	0.2063						
100	1.0920	0.7877	0.5359	0.1965						
105	1.1138	0.7849	0.5037	0.1863						
110	1.1263	0.7823	0.4713	0.1757						
115	1.1287	0.7798	0.4387	0.1647						
120	1.1204	0.7776	0.4058	0.1534						
125	1.1007	0.7756	0.3727	0.1417						
130	1.0691	0.7737	0.3396	0.1298						
135	1.0250	0.7720	0.3060	0.1176						
140	0.9679	0.7705	0.2724	0.1051						
145	0.8973	0.7692	0.2387	0.0925						
150	0.8129	0.7681	0.2048	0.0796						
155	0.7142	0.7671	0.1708	0.0666						
160	0.6011	0.7663	0.1368	0.0534						
165	0.4733	0.7657	0.1026	0.0402						
170	0.3305	0.7653	0.0685	0.0268						
175	0.1828	0.7650	0.0342	0.0134						
180	0.	0.7649	0.	0.						

GAMMA = 0.2000

ALPHA = 9.000

K = 1.600

DC = 2.6063	XR = 1.1408	BR = 1.407005	TR = 67.92	GR = 1.0110	QR = 0.2096E 02					
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8948	1.0824	0.2968	0.8948	1.0824	0.3341			
5	0.9992	0.8860	1.0583	0.2948	0.9043	1.11062	0.2990	2.13182	2.3602	14.4484
10	1.0372	0.8776	1.0338	0.2927	0.9143	1.11298	0.3013	1.9593	2.0289	4.9262
15	1.1055	0.8697	1.0089	0.2904	0.9250	1.11528	0.3043	1.7862	1.8694	2.6083
20	1.2008	0.8622	0.9836	0.2878	0.9365	1.11757	0.3081	1.6564	1.7697	1.6638
25	1.3222	0.8560	0.9578	0.2849	0.9490	1.11985	0.3135	1.5454	1.6993	1.1819
30	1.4718	0.8482	0.9316	0.2817	0.9626	1.12214	0.3213	1.44932	1.6455	0.9046
35	1.6566	0.8418	0.9050	0.2780	0.9778	1.12445	0.3332	1.34919	1.6018	0.7353
40	1.8925	0.8357	0.8780	0.2739	0.9950	1.12683	0.3525	1.23772	1.5644	0.6327
45	2.2188	0.8298	0.8506	0.2693	1.0152	1.12933	0.3865	1.13260	1.5304	0.5813
50	2.7573	0.8243	0.8228	0.2643	1.0405	1.13212	0.4575	1.02747	1.4970	0.5908
55	4.2279	0.8190	0.7945	0.2588	1.0778	1.13567	0.6966	1.2152	1.4582	0.7850
60	0.6982	0.8140	0.7659	0.2529						
65	0.7672	0.8093	0.7369	0.2464						
70	0.8334	0.8048	0.7076	0.2396						
75	0.8957	0.8005	0.6778	0.2321						
80	0.9535	0.7965	0.6478	0.2243						
85	1.0057	0.7927	0.6174	0.2160						
90	1.0515	0.7891	0.5867	0.2073						
95	1.0901	0.7858	0.5558	0.1982						
100	1.1207	0.7826	0.5245	0.1886						
105	1.1425	0.7797	0.4930	0.1787						
110	1.1648	0.7770	0.4613	0.1686						
115	1.1668	0.7745	0.4293	0.1579						
120	1.1479	0.7721	0.3971	0.1470						
125	1.1274	0.7700	0.3647	0.1358						
130	1.0946	0.7681	0.3321	0.1243						
135	1.0492	0.7663	0.2994	0.1126						
140	0.9905	0.7647	0.2665	0.1006						
145	0.9180	0.7634	0.2334	0.0885						
150	0.8315	0.7622	0.2003	0.0762						
155	0.7305	0.7612	0.1671	0.0637						
160	0.6147	0.7604	0.1338	0.0511						
165	0.4839	0.7597	0.1004	0.0384						
170	0.3379	0.7593	0.0669	0.0257						
175	0.1767	0.7590	0.0335	0.0128						
180	0.	0.7589	0.	0.						

GAMMA = 0.2000

ALPHA = 9.000

K = 1.800

DC = 2.6579	XR = 1.1370	BR = 1.377053	TR = 51.40	CR = 0.8991	QR = 0.1734E 02					
THEYA	S2	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8966	1.0676	0.2955	0.8966	1.0676	0.3327			
5	1.0019	0.8870	1.0433	0.2922	0.9069	1.0918	0.2992	2.2521	2.2929	13.6291
10	1.0471	0.8780	1.0187	0.2890	0.9179	1.1155	0.3035	1.9029	1.9706	4.6617
15	1.1267	0.8695	0.9938	0.2859	0.9290	1.1391	0.3091	1.7243	1.8149	2.4826
20	1.2382	0.8614	0.9685	0.2827	0.9428	1.1628	0.3165	1.6067	1.7170	1.5978
25	1.3830	0.8538	0.9428	0.2792	0.9571	1.1867	0.3270	1.5163	1.6489	1.1495
30	1.5687	0.8466	0.9168	0.2755	0.9731	1.2121	0.3428	1.4536	1.5924	0.8967
35	1.8145	0.8396	0.8904	0.2715	0.9915	1.2386	0.3680	1.3904	1.5470	0.7511
40	2.1714	0.8333	0.8636	0.2671	1.0135	1.2669	0.4134	1.3221	1.5063	0.6815
45	2.8188	0.8272	0.8364	0.2623	1.0420	1.2966	0.5159	1.2635	1.4663	0.7035
50	5.5032	0.8213	0.8088	0.2571	1.0903	1.3396	1.0417	1.1899	1.4157	1.1712
55	0.6446	0.8158	0.7809	0.2515						
60	0.7188	0.8106	0.7526	0.2464						
65	0.7891	0.8056	0.7240	0.2389						
70	0.8564	0.8009	0.6950	0.2320						
75	0.9198	0.7965	0.6657	0.2257						
80	0.9784	0.7923	0.6361	0.2190						
85	1.0313	0.7883	0.6062	0.2088						
90	1.0776	0.7846	0.5760	0.2002						
95	1.1186	0.7811	0.5455	0.1918						
100	1.1478	0.7779	0.5146	0.1821						
105	1.1891	0.7748	0.4838	0.1726						
110	1.1811	0.7720	0.4626	0.1626						
115	1.1827	0.7694	0.4412	0.1522						
120	1.1731	0.7669	0.4206	0.1418						
125	1.1517	0.7647	0.3977	0.1308						
130	1.1280	0.7627	0.3825	0.1197						
135	1.0812	0.7609	0.2936	0.1084						
140	1.0310	0.7592	0.2813	0.0969						
145	0.9969	0.7579	0.2289	0.0851						
150	0.8488	0.7568	0.1964	0.0733						
155	0.7452	0.7556	0.1638	0.0613						
160	0.6270	0.7540	0.1312	0.0492						
165	0.4938	0.7521	0.0984	0.0370						
170	0.3467	0.7508	0.0655	0.0247						
175	0.1802	0.7494	0.0320	0.0123						
180	0.	0.7479	0.	0.						

GAMMA = 0.2000

ALPHA = 9.000

K = 2.000

DC = 2.7049	XR = 1.1339	BR = 1.352555	TR = 46.22	CR = 0.8068	QR = 0.1479E 02					
THEYA	S2	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8981	1.0552	0.2957	0.8981	1.0552	0.3329			
5	1.0048	0.8879	1.0307	0.2910	0.9093	1.0798	0.3011	2.1949	2.2345	12.9374
10	1.0578	0.8781	1.0059	0.2868	0.9213	1.1039	0.3078	1.8542	1.9201	4.4410
15	1.1500	0.8691	0.9809	0.2828	0.9345	1.1283	0.3166	1.6790	1.7674	2.3807
20	1.2803	0.8605	0.9556	0.2788	0.9490	1.1530	0.3286	1.5616	1.6704	1.5476
25	1.4544	0.8525	0.9300	0.2748	0.9653	1.1782	0.3469	1.4723	1.6001	1.1304
30	1.6908	0.8449	0.9040	0.2706	0.9841	1.2046	0.3743	1.3983	1.5442	0.9037
35	2.0388	0.8377	0.8777	0.2662	1.0068	1.2329	0.4242	1.3321	1.4961	0.7915
40	2.8792	0.8309	0.8511	0.2615	1.0365	1.2658	0.5374	1.2670	1.4498	0.7955
45	5.5471	0.8245	0.8241	0.2564	1.0882	1.3149	1.1640	1.1860	1.3919	1.3458
50	0.5896	0.8184	0.7968	0.2510						
55	0.6446	0.8127	0.7691	0.2459						
60	0.7384	0.8072	0.7411	0.2392						
65	0.8098	0.8020	0.7128	0.2326						
70	0.8782	0.7972	0.6842	0.2257						
75	0.9425	0.7926	0.6552	0.2184						
80	1.0018	0.7882	0.6260	0.2108						
85	1.0553	0.7841	0.5965	0.2027						
90	1.1020	0.7803	0.5667	0.1943						
95	1.1412	0.7767	0.5366	0.1855						
100	1.1721	0.7733	0.5063	0.1764						
105	1.1938	0.7701	0.4758	0.1670						
110	1.2055	0.7672	0.4461	0.1573						
115	1.2066	0.7645	0.4141	0.1473						
120	1.1964	0.7620	0.3830	0.1370						
125	1.1742	0.7597	0.3517	0.1265						
130	1.1395	0.7577	0.3202	0.1157						
135	1.0915	0.7556	0.2886	0.1048						
140	1.0299	0.7541	0.2569	0.0936						
145	0.9542	0.7527	0.2250	0.0823						
150	0.8640	0.7514	0.1931	0.0708						
155	0.7588	0.7504	0.1610	0.0592						
160	0.6383	0.7495	0.1289	0.0475						
165	0.5024	0.7488	0.0967	0.0357						
170	0.3508	0.7483	0.0645	0.0238						
175	0.1834	0.7480	0.0323	0.0119						
180	0.	0.7479	0.	0.						

GAMMA=0.2000 ALPHA= 9.000 K= 2.20

DC= 2.7482 XR= 1.13136 BR= 1.33214
TR=42.0137 CR= 0.73328 QR=12.89376

THETA	ST	X1	B1	S1
0	1.0000	0.8995	1.0448	0.2971
5	1.0080	0.8884	1.0199	0.2909
10	1.0095	0.8781	0.9950	0.2856
15	1.1756	0.8685	0.9698	0.2806
20	1.3277	0.8595	0.9444	0.2760
25	1.5391	0.8511	0.9188	0.2713
30	1.8493	0.8431	0.8929	0.2667
35	2.3950	0.8357	0.8667	0.2618
40	4.2115	0.8286	0.8402	0.2568
45	0.5290	0.8219	0.8133	0.2515
50	0.6058	0.8156	0.7862	0.2459
55	0.6821	0.8096	0.7587	0.2400
60	0.7571	0.8039	0.7310	0.2338
65	0.8296	0.7986	0.7029	0.2272
70	0.8989	0.7935	0.6746	0.2203
75	0.9640	0.7888	0.6459	0.2130
80	1.0239	0.7843	0.6170	0.2054
85	1.0779	0.7801	0.5878	0.1974
90	1.1250	0.7761	0.5584	0.1891
95	1.1644	0.7724	0.5287	0.1805
100	1.1953	0.7689	0.4988	0.1716
105	1.2168	0.7657	0.4687	0.1623
110	1.2283	0.7627	0.4383	0.1528
115	1.2289	0.7599	0.4078	0.1430
120	1.2181	0.7573	0.3771	0.1330
125	1.1951	0.7550	0.3463	0.1227
130	1.1594	0.7529	0.3153	0.1123
135	1.1103	0.7510	0.2841	0.1016
140	1.0474	0.7493	0.2529	0.0908
145	0.9702	0.7478	0.2215	0.0798
150	0.8783	0.7465	0.1900	0.0686
155	0.7712	0.7454	0.1585	0.0574
160	0.6487	0.7445	0.1269	0.0460
165	0.5105	0.7438	0.0952	0.0346
170	0.3565	0.7433	0.0635	0.0231
175	0.1863	0.7430	0.0318	0.0116
180	0.	0.7429	0.	0.

GAMMA=0.2000 ALPHA= 9.000 K= 2.60

DC= 2.8258 XR= 1.12748 BR= 1.30004
TR=35.5671 CR= 0.62076 QR=10.27737

THETA	ST	X1	B1	S1
0	1.0000	0.9016	1.0280	0.3024
5	1.0150	0.8892	1.0024	0.2930
10	1.0955	0.8777	0.9770	0.2852
15	1.2340	0.8671	0.9515	0.2784
20	1.4427	0.8573	0.9259	0.2722
25	1.7698	0.8481	0.9002	0.2663
30	2.4127	0.8395	0.8742	0.2607
35	0.4001	0.8314	0.8481	0.2551
40	0.4779	0.8238	0.8217	0.2494
45	0.5571	0.8167	0.7951	0.2437
50	0.6365	0.8099	0.7682	0.2377
55	0.7151	0.8036	0.7411	0.2315
60	0.7922	0.7976	0.7137	0.2250
65	0.8666	0.7919	0.6861	0.2183
70	0.9374	0.7866	0.6582	0.2113
75	1.0038	0.7816	0.6300	0.2041
80	1.0649	0.7768	0.6017	0.1965
85	1.1194	0.7724	0.5730	0.1886
90	1.1672	0.7682	0.5442	0.1805
95	1.2068	0.7643	0.5152	0.1721
100	1.2376	0.7607	0.4859	0.1634
105	1.2588	0.7573	0.4565	0.1545
110	1.2696	0.7542	0.4269	0.1453
115	1.2693	0.7513	0.3971	0.1359
120	1.2573	0.7486	0.3671	0.1263
125	1.2328	0.7462	0.3370	0.1165
130	1.1952	0.7439	0.3068	0.1065
135	1.1441	0.7419	0.2765	0.0963
140	1.0788	0.7402	0.2460	0.0860
145	0.9989	0.7386	0.2155	0.0755
150	0.9039	0.7373	0.1849	0.0650
155	0.7935	0.7361	0.1542	0.0543
160	0.6673	0.7352	0.1234	0.0435
165	0.5251	0.7345	0.0926	0.0327
170	0.3666	0.7340	0.0617	0.0218
175	0.1916	0.7336	0.0309	0.0109
180	0.	0.7335	0.	0.

GAMMA=0.2000 ALPHA= 9.000 K= 3.00

DC= 2.8944 XR= 1.12462 BR= 1.27594
TR=30.8540 CR= 0.53850 QR= 8.55276

THETA	ST	X1	B1	S1
0	1.0000	0.9033	1.0152	0.3101
5	1.0229	0.8895	0.9888	0.2970
10	1.1253	0.8770	0.9627	0.2866
15	1.3038	0.8655	0.9368	0.2778
20	1.5959	0.8549	0.9109	0.2701
25	2.1666	0.8450	0.8850	0.2631
30	0.3429	0.8358	0.8590	0.2565
35	0.4214	0.8272	0.8329	0.2501
40	0.5019	0.8192	0.8066	0.2439
45	0.5835	0.8116	0.7801	0.2376
50	0.6651	0.8045	0.7534	0.2312
55	0.7458	0.7978	0.7265	0.2247
60	0.8246	0.7915	0.6994	0.2181
65	0.9006	0.7856	0.6721	0.2112
70	0.9727	0.7800	0.6446	0.2042
75	1.0402	0.7748	0.6169	0.1968
80	1.1020	0.7699	0.5889	0.1893
85	1.1573	0.7653	0.5607	0.1815
90	1.2053	0.7609	0.5324	0.1735
95	1.2449	0.7569	0.5039	0.1653
100	1.2756	0.7531	0.4752	0.1568
105	1.2963	0.7496	0.4463	0.1481
110	1.3064	0.7463	0.4172	0.1392
115	1.3052	0.7433	0.3881	0.1301
120	1.2919	0.7406	0.3587	0.1208
125	1.2660	0.7380	0.3293	0.1113
130	1.2268	0.7357	0.2997	0.1017
135	1.1737	0.7337	0.2701	0.0920
140	1.1063	0.7319	0.2403	0.0821
145	1.0239	0.7302	0.2104	0.0721
150	0.9263	0.7288	0.1805	0.0620
155	0.8129	0.7277	0.1505	0.0518
160	0.6835	0.7267	0.1205	0.0415
165	0.5377	0.7260	0.0904	0.0312
170	0.3753	0.7254	0.0603	0.0208
175	0.1961	0.7251	0.0301	0.0104
180	0.	0.7250	0.	0.

GAMMA=0.2000 ALPHA= 9.000 K= 4.00

DC= 3.0394 XR= 1.11994 BR= 1.23568
TR=23.12019 CR= 0.40495 QR= 6.04007

THETA	ST	X1	B1	S1
0	1.0000	0.9063	0.9932	0.3352
5	1.0465	0.8893	0.9645	0.3115
10	1.2174	0.8742	0.9367	0.2939
15	1.5537	0.8607	0.9096	0.2801
20	2.4549	0.8484	0.8829	0.2686
25	0.3039	0.8371	0.8565	0.2588
30	0.3859	0.8267	0.8302	0.2500
35	0.4705	0.8171	0.8039	0.2419
40	0.5566	0.8081	0.7776	0.2342
45	0.6433	0.7997	0.7513	0.2268
50	0.7295	0.7919	0.7249	0.2196
55	0.8142	0.7846	0.6984	0.2125
60	0.8965	0.7777	0.6718	0.2053
65	0.9754	0.7713	0.6451	0.1981
70	1.0500	0.7652	0.6182	0.1908
75	1.1193	0.7596	0.5912	0.1834
80	1.1824	0.7543	0.5641	0.1759
85	1.2385	0.7493	0.5368	0.1682
90	1.2866	0.7447	0.5094	0.1604
95	1.3260	0.7403	0.4818	0.1524
100	1.3558	0.7363	0.4541	0.1443
105	1.3752	0.7325	0.4264	0.1361
110	1.3836	0.7291	0.3985	0.1277
115	1.3801	0.7259	0.3704	0.1191
120	1.3641	0.7229	0.3423	0.1105
125	1.3349	0.7203	0.3141	0.1017
130	1.2920	0.7178	0.2858	0.0928
135	1.2348	0.7156	0.2575	0.0838
140	1.1627	0.7137	0.2290	0.0747
145	1.0752	0.7120	0.2005	0.0656
150	0.9719	0.7105	0.1720	0.0563
155	0.8525	0.7093	0.1434	0.0470
160	0.7164	0.7082	0.1148	0.0377
165	0.5634	0.7075	0.0861	0.0283
170	0.3931	0.7069	0.0574	0.0189
175	0.2054	0.7066	0.0287	0.0094
180	0.	0.7065	0.	0.

GAMMA=0.2000 ALPHA= 9.000 K= 6.00

DC= 3.2640 XR= 1.11522 BR= 1.19397
TR=15.5312 CR= 0.27107 QR= 3.81920

THETA	ST	X1	B1	S1
0	1.0000	0.9096	0.9698	0.3970
5	1.1101	0.8865	0.9359	0.3464
10	1.5193	0.8672	0.9047	0.3133
15	0.1935	0.8504	0.8752	0.2894
20	0.2790	0.8355	0.8469	0.2711
25	0.3686	0.8221	0.8193	0.2563
30	0.4609	0.8100	0.7922	0.2438
35	0.5547	0.7988	0.7655	0.2328
40	0.6491	0.7886	0.7391	0.2230
45	0.7430	0.7791	0.7128	0.2139
50	0.8355	0.7703	0.6867	0.2054
55	0.9256	0.7621	0.6606	0.1972
60	1.0123	0.7545	0.6346	0.1893
65	1.0947	0.7474	0.6086	0.1816
70	1.1719	0.7407	0.5825	0.1739
75	1.2430	0.7345	0.5564	0.1663
80	1.3070	0.7287	0.5303	0.1588
85	1.3631	0.7233	0.5042	0.1512
90	1.4106	0.7183	0.4780	0.1436
95	1.4484	0.7136	0.4518	0.1360
100	1.4760	0.7092	0.4255	0.1283
105	1.4925	0.7051	0.3991	0.1206
110	1.4972	0.7014	0.3728	0.1128
115	1.4894	0.6980	0.3463	0.1050
120	1.4686	0.6948	0.3199	0.0971
125	1.4340	0.6919	0.2933	0.0892
130	1.3851	0.6893	0.2668	0.0812
135	1.3213	0.6870	0.2402	0.0732
140	1.2422	0.6849	0.2136	0.0652
145	1.1471	0.6831	0.1870	0.0571
150	1.0357	0.6815	0.1603	0.0490
155	0.9074	0.6802	0.1336	0.0409
160	0.7619	0.6791	0.1069	0.0327
165	0.5988	0.6783	0.0802	0.0246
170	0.4176	0.6777	0.0535	0.0164
175	0.2182	0.6773	0.0267	0.0082
180	0.	0.6772	0.	0.

GAMMA=0.2000 ALPHA= 9.000 K= 8.00

DC= 3.44424 XR= 1.11283 BR= 1.17253
TR=11.6787 CR= 0.20383 QR= 2.79734

THETA	ST	X1	B1	S1
0	1.0000	0.9113	0.9574	0.4646
5	1.1979	0.8828	0.9184	0.3812
10	2.3461	0.8598	0.8841	0.3320
15	0.2307	0.8404	0.8525	0.2989
20	0.3264	0.8236	0.8227	0.2746
25	0.4248	0.8086	0.7941	0.2558
30	0.5248	0.7952	0.7663	0.2404
35	0.6254	0.7831	0.7393	0.2273
40	0.7258	0.7719	0.7126	0.2159
45	0.8245	0.7617	0.6863	0.2056
50	0.9211	0.7523	0.6603	0.1961
55	1.0146	0.7435	0.6345	0.1872
60	1.1039	0.7354	0.6088	0.1788
65	1.1882	0.7278	0.5832	0.1707
70	1.2655	0.7208	0.5577	0.1628
75	1.3380	0.7143	0.5323	0.1551
80	1.4017	0.7081	0.5069	0.1475
85	1.4570	0.7025	0.4815	0.1399
90	1.5030	0.6972	0.4562	0.1325
95	1.5388	0.6922	0.4308	0.1251
100	1.5638	0.6877	0.4055	0.1177
105	1.5773	0.6834	0.3801	0.1103
110	1.5786	0.6795	0.3548	0.1030
115	1.5671	0.6759	0.3295	0.0956
120	1.5420	0.6727	0.3041	0.0883
125	1.5030	0.6697	0.2788	0.0809
130	1.4493	0.6669	0.2535	0.0736
135	1.3805	0.6645	0.2281	0.0662
140	1.2961	0.6624	0.2028	0.0589
145	1.1955	0.6605	0.1774	0.0515
150	1.0782	0.6588	0.1521	0.0442
155	0.9439	0.6575	0.1267	0.0368
160	0.7920	0.6563	0.1014	0.0295
165	0.6221	0.6555	0.0761	0.0221
170	0.4337	0.6548	0.0507	0.0147
175	0.2265	0.6545	0.0254	0.0074
180	0.	0.6544	0.	0.

GAMMA=0.2000 ALPHA= 9.000 K= 10.00

DC= 3.5948 XR= 1.11139 BR= 1.15946
TR= 9.3593 CR= 0.16335 QR= 2.20828

THETA	ST	X1	B1	S1
0	1.0000	0.9124	0.9497	0.5350
5	1.3164	0.8787	0.9058	0.4136
10	0.1636	0.8526	0.8686	0.3483
15	0.2648	0.8311	0.8352	0.3069
20	0.3689	0.8127	0.8042	0.2777
25	0.4745	0.7966	0.7748	0.2556
30	0.5806	0.7822	0.7465	0.2379
35	0.6864	0.7693	0.7191	0.2232
40	0.7910	0.7575	0.6923	0.2105
45	0.8936	0.7467	0.6659	0.1993
50	0.9932	0.7368	0.6400	0.1891
55	1.0888	0.7277	0.6143	0.1797
60	1.1797	0.7192	0.5889	0.1709
65	1.2649	0.7113	0.5637	0.1625
70	1.3435	0.7040	0.5386	0.1544
75	1.4147	0.6972	0.5136	0.1466
80	1.4777	0.6909	0.4888	0.1390
85	1.5316	0.6850	0.4640	0.1316
90	1.5758	0.6795	0.4393	0.1243
95	1.6094	0.6744	0.4146	0.1170
100	1.6318	0.6697	0.3900	0.1099
105	1.6424	0.6654	0.3654	0.1028
110	1.6405	0.6613	0.3409	0.0957
115	1.6255	0.6576	0.3164	0.0887
120	1.5968	0.6543	0.2920	0.0818
125	1.5539	0.6512	0.2676	0.0749
130	1.4962	0.6484	0.2431	0.0680
135	1.4234	0.6459	0.2188	0.0611
140	1.3347	0.6437	0.1944	0.0542
145	1.2298	0.6418	0.1701	0.0474
150	1.1082	0.6401	0.1457	0.0406
155	0.9694	0.6387	0.1214	0.0338
160	0.8129	0.6375	0.0971	0.0270
165	0.6382	0.6366	0.0728	0.0203
170	0.4448	0.6360	0.0486	0.0135
175	0.2322	0.6356	0.0243	0.0068
180	0.	0.6355	0.	0.

GAMMA=0.2000 ALPHA= 9.000 K= 20.00

DC= 4.1826 XR= 1.10849 BR= 1.13284
TR= 3.6981 CR= 0.06454 QR= 1.07737

THETA	ST	X1	B1	S1
0	1.0000	0.9148	0.9339	0.8971
5	0.1260	0.8886	0.8681	0.5365
10	0.2671	0.8215	0.8205	0.4021
15	0.4031	0.7932	0.7809	0.3303
20	0.5348	0.7701	0.7459	0.2846
25	0.6631	0.7505	0.7139	0.2525
30	0.7879	0.7334	0.6840	0.2283
35	0.9090	0.7183	0.6555	0.2090
40	1.0258	0.7047	0.6282	0.1930
45	1.1376	0.6924	0.6018	0.1794
50	1.2437	0.6812	0.5762	0.1675
55	1.3433	0.6709	0.5511	0.1568
60	1.4355	0.6615	0.5265	0.1470
65	1.5197	0.6528	0.5023	0.1380
70	1.5950	0.6447	0.4785	0.1297
75	1.6609	0.6372	0.4550	0.1217
80	1.7166	0.6303	0.4318	0.1142
85	1.7617	0.6239	0.4088	0.1070
90	1.7954	0.6179	0.3861	0.1001
95	1.8174	0.6124	0.3636	0.0934
100	1.8272	0.6073	0.3412	0.0870
105	1.8244	0.6026	0.3191	0.0807
110	1.8085	0.5983	0.2971	0.0746
115	1.7793	0.5943	0.2752	0.0687
120	1.7363	0.5907	0.2535	0.0629
125	1.6792	0.5874	0.2319	0.0572
130	1.6078	0.5844	0.2105	0.0516
135	1.5215	0.5818	0.1891	0.0462
140	1.4200	0.5794	0.1679	0.0408
145	1.3029	0.5773	0.1467	0.0355
150	1.1698	0.5755	0.1256	0.0303
155	1.0200	0.5740	0.1046	0.0252
160	0.8531	0.5728	0.0836	0.0201
165	0.6884	0.5719	0.0626	0.0150
170	0.4652	0.5712	0.0417	0.0100
175	0.2427	0.5708	0.0209	0.0050
180	0.	0.5707	0.	0.

GAMMA = 0.2000

ALPHA = 10.000

K = 0.200

DC = 1.7747 X0 = 1.6894 B0 = 2.371603 W2 = -0.2720E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8691	1.5449	0.5605	0.8691	1.5449	0.5605			
5	0.9882	0.8671	1.5128	0.5627	0.8711	1.5761	0.5629	3.7928	3.6817	39.0987
10	1.0002	0.8652	1.4799	0.5639	0.8731	1.6066	0.5622	3.2903	3.3245	13.2298
15	1.0274	0.8633	1.4463	0.5641	0.8751	1.6362	0.5618	2.9813	3.0539	6.8786
20	1.0667	0.8614	1.4119	0.5633	0.8771	1.6651	0.5618	2.7087	2.8982	4.2596
25	1.1160	0.8596	1.3767	0.5614	0.8792	1.6931	0.5603	2.5700	2.8773	2.9007
30	1.1738	0.8578	1.3407	0.5583	0.8813	1.7204	0.5602	2.4635	2.8990	2.0964
35	1.2388	0.8560	1.3040	0.5542	0.8834	1.7468	0.5597	2.3782	2.8697	1.5779
40	1.3098	0.8543	1.2665	0.5489	0.8855	1.7723	0.5587	2.3079	2.8035	1.2231
45	1.3857	0.8526	1.2283	0.5425	0.8876	1.7973	0.5585	2.2488	2.7568	0.9892
50	1.4654	0.8510	1.1894	0.5349	0.8897	1.8214	0.5579	2.1978	2.6970	0.7813
55	1.5481	0.8494	1.1499	0.5262	0.8918	1.8447	0.5551	2.1537	2.6126	0.6286
60	1.6326	0.8479	1.1096	0.5163	0.8939	1.8673	0.5541	2.1150	2.4924	0.5277
65	1.7182	0.8464	1.0686	0.5052	0.8960	1.8899	0.5540	2.0807	2.4555	0.4402
70	1.8038	0.8450	1.0271	0.4930	0.8981	1.9107	0.5547	2.0501	2.4012	0.3800
75	1.8885	0.8436	0.9849	0.4796	0.9002	1.9304	0.5525	2.0227	2.3492	0.3331
80	1.9716	0.8423	0.9421	0.4652	0.9023	1.9500	0.5522	1.9979	2.2889	0.2865
85	2.0523	0.8411	0.8987	0.4496	0.9044	1.9688	0.5511	1.9754	2.2301	0.2480
90	2.1296	0.8399	0.8548	0.4329	0.9064	1.9870	0.5508	1.9550	2.1826	0.2199
95	2.2030	0.8387	0.8103	0.4152	0.9085	2.0045	0.5502	1.9384	2.1461	0.1990
100	2.2717	0.8376	0.7654	0.3965	0.9105	2.0213	0.5495	1.9193	2.1105	0.1765
105	2.3350	0.8366	0.7199	0.3768	0.9125	2.0375	0.5481	1.9006	2.0856	0.1523
110	2.3926	0.8356	0.6740	0.3562	0.9144	2.0531	0.5479	1.8892	2.0614	0.1271
115	2.4437	0.8347	0.6277	0.3347	0.9164	2.0680	0.5471	1.8859	2.0377	0.0992
120	2.4880	0.8339	0.5810	0.3123	0.9183	2.0823	0.5467	1.8855	2.0345	0.0855
125	2.5251	0.8331	0.5339	0.2892	0.9202	2.0962	0.5458	1.8852	2.0317	0.0757
130	2.5546	0.8324	0.4864	0.2653	0.9220	2.1092	0.5450	1.8845	2.0299	0.0672
135	2.5765	0.8318	0.4387	0.2408	0.9238	2.1218	0.5449	1.8838	2.0272	0.0600
140	2.5904	0.8312	0.3907	0.2156	0.9256	2.1339	0.5443	1.8827	2.0253	0.0540
145	2.5965	0.8307	0.3424	0.1899	0.9274	2.1455	0.5439	1.8815	2.0237	0.0489
150	2.5946	0.8303	0.2939	0.1637	0.9291	2.1566	0.5435	1.8804	2.0222	0.0447
155	2.5849	0.8299	0.2452	0.1371	0.9308	2.1672	0.5432	1.8790	2.0210	0.0413
160	2.5678	0.8296	0.1964	0.1101	0.9324	2.1773	0.5428	1.8793	2.0199	0.0386
165	2.5433	0.8293	0.1474	0.0828	0.9340	2.1869	0.5426	1.8787	2.0189	0.0366
170	2.5122	0.8292	0.0983	0.0553	0.9355	2.1962	0.5423	1.8788	2.0180	0.0351
175	2.4747	0.8291	0.0492	0.0277	0.9371	2.2050	0.5425	1.8783	2.0172	0.0342
180	2.4318	0.8290	0.	0.	0.9385	2.2134	0.5428	1.8780	2.0166	0.0340

GAMMA = 0.2000

ALPHA = 10.000

K = 0.300

DC = 1.9123 X0 = 1.5212 B0 = 2.144416 W2 = -0.2887E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8749	1.4265	0.4707	0.8749	1.4265	0.4726			
5	0.9888	0.8724	1.3974	0.4735	0.8775	1.4530	0.4719	3.1259	3.1922	32.1980
10	1.0019	0.8699	1.3674	0.4752	0.8802	1.4828	0.4715	2.8950	2.8980	13.2298
15	1.0304	0.8674	1.3367	0.4762	0.8828	1.5094	0.4704	2.6251	2.8620	6.8786
20	1.0713	0.8650	1.3059	0.4762	0.8856	1.5333	0.4701	2.4451	2.8300	4.2596
25	1.1224	0.8626	1.2730	0.4753	0.8883	1.5568	0.4693	2.2823	2.8327	2.9007
30	1.1821	0.8603	1.2401	0.4734	0.8911	1.5894	0.4693	2.2302	2.8521	2.0964
35	1.2490	0.8581	1.2064	0.4705	0.8939	1.6091	0.4684	2.1898	2.8987	1.5779
40	1.3220	0.8559	1.1720	0.4666	0.8967	1.6321	0.4679	2.0898	2.8671	0.9987
45	1.3997	0.8538	1.1370	0.4616	0.8995	1.6544	0.4670	2.0363	2.8239	0.7919
50	1.4812	0.8517	1.1012	0.4557	0.9024	1.6759	0.4664	1.9904	2.7971	0.6590
55	1.5652	0.8497	1.0647	0.4487	0.9053	1.6966	0.4666	1.9505	2.7560	0.5282
60	1.6509	0.8478	1.0276	0.4406	0.9082	1.7168	0.4666	1.9155	2.7567	0.4327
65	1.7372	0.8459	0.9899	0.4316	0.9111	1.7359	0.4665	1.8844	2.7413	0.3813
70	1.8230	0.8442	0.9516	0.4215	0.9140	1.7545	0.4663	1.8587	2.7285	0.3046
75	1.9075	0.8426	0.9126	0.4104	0.9169	1.7724	0.4662	1.8317	2.7175	0.2584
80	1.9897	0.8408	0.8731	0.3982	0.9197	1.7898	0.4660	1.8092	2.7082	0.2205
85	2.0687	0.8392	0.8330	0.3852	0.9226	1.8061	0.4658	1.7887	2.7001	0.1892
90	2.1438	0.8377	0.7924	0.3711	0.9255	1.8219	0.4651	1.7700	2.7032	0.1632
95	2.2141	0.8363	0.7513	0.3561	0.9284	1.8372	0.4649	1.7529	2.7079	0.1414
100	2.2790	0.8349	0.7097	0.3402	0.9312	1.8518	0.4648	1.7372	2.7221	0.1230
105	2.3377	0.8337	0.6676	0.3235	0.9341	1.8658	0.4647	1.7228	2.7176	0.1075
110	2.3897	0.8325	0.6251	0.3059	0.9369	1.8791	0.4646	1.7094	2.7137	0.0943
115	2.4346	0.8314	0.5822	0.2876	0.9397	1.8920	0.4645	1.6971	2.7102	0.0831
120	2.4714	0.8303	0.5389	0.2685	0.9425	1.9042	0.4647	1.6857	2.7272	0.0736
125	2.5006	0.8294	0.4953	0.2486	0.9452	1.9159	0.4648	1.6751	2.7444	0.0655
130	2.5213	0.8285	0.4513	0.2282	0.9479	1.9271	0.4648	1.6652	2.7622	0.0585
135	2.5334	0.8277	0.4070	0.2071	0.9506	1.9378	0.4643	1.6560	2.7803	0.0527
140	2.5369	0.8270	0.3625	0.1855	0.9533	1.9480	0.4647	1.6474	2.7977	0.0477
145	2.5317	0.8264	0.3177	0.1634	0.9559	1.9578	0.4649	1.6394	2.7569	0.0435
150	2.5180	0.8258	0.2727	0.1409	0.9584	1.9672	0.4651	1.6319	2.7555	0.0401
155	2.4951	0.8254	0.2275	0.1180	0.9610	1.9759	0.4659	1.6249	2.7543	0.0373
160	2.4641	0.8250	0.1822	0.0948	0.9634	1.9843	0.4663	1.6183	2.7532	0.0351
165	2.4262	0.8247	0.1368	0.0713	0.9659	1.9923	0.4662	1.6122	2.7522	0.0334
170	2.3811	0.8245	0.0912	0.0476	0.9683	2.0000	0.4669	1.6064	2.7513	0.0322
175	2.3293	0.8244	0.0456	0.0239	0.9706	2.0072	0.4671	1.6010	2.7506	0.0315
180	2.2718	0.8243	0.	0.	0.9730	2.0141	0.4678	1.5959	2.7499	0.0313

GAMMA = 0.2000

ALPHA = 10.000

K = 0.500

DC = 2.0225	XR = 1.3575	BR = 1.991228	TR = -0.2082E 01								
ETA	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11
0	1.0000	0.8832	1.2982	0.3833	0.8832	1.2982	0.3833	3.0225	3.0773	24.7243	
5	0.9886	0.8796	1.2720	0.3863	0.8869	1.3236	0.3795	2.5523	2.6432	8.3632	
10	1.0012	0.8761	1.2452	0.3886	0.8906	1.3482	0.3751	2.5523	2.6432	8.3632	
15	1.0293	0.8727	1.2176	0.3901	0.8944	1.3721	0.3700	2.3151	2.4365	4.3471	
20	1.0696	0.8694	1.1893	0.3908	0.8984	1.3953	0.3643	2.1627	2.3112	2.6922	
25	1.1202	0.8661	1.1602	0.3907	0.9023	1.4177	0.3581	2.0527	2.2257	1.8345	
30	1.1792	0.8630	1.1305	0.3898	0.9064	1.4394	0.3513	1.9682	2.1636	1.3277	
35	1.2452	0.8600	1.1001	0.3879	0.9105	1.4603	0.3441	1.9004	2.1166	1.0016	
40	1.3168	0.8570	1.0689	0.3852	0.9147	1.4805	0.3364	1.8444	2.0798	0.7788	
45	1.3925	0.8541	1.0372	0.3816	0.9190	1.5000	0.3284	1.7970	2.0505	0.6197	
50	1.4710	0.8514	1.0047	0.3771	0.9233	1.5187	0.3200	1.7562	2.0266	0.5023	
55	1.5511	0.8487	0.9717	0.3717	0.9277	1.5367	0.3113	1.7205	2.0068	0.4132	
60	1.6313	0.8462	0.9380	0.3654	0.9322	1.5541	0.3024	1.6891	1.9904	0.3440	
65	1.7105	0.8437	0.9037	0.3582	0.9367	1.5707	0.2933	1.6610	1.9765	0.2895	
70	1.7934	0.8413	0.8688	0.3501	0.9412	1.5867	0.2836	1.6358	1.9647	0.2439	
75	1.9998	0.8391	0.8334	0.3411	0.9458	1.6020	0.2744	1.6130	1.9545	0.2301	
80	2.0696	0.8369	0.7974	0.3312	0.9505	1.6166	0.2650	1.5922	1.9458	0.1975	
85	2.1405	0.8349	0.7609	0.3205	0.9552	1.6306	0.2553	1.5732	1.9382	0.1715	
90	2.2087	0.8329	0.7239	0.3090	0.9599	1.6439	0.2464	1.5577	1.9316	0.1502	
95	2.2725	0.8311	0.6864	0.2967	0.9647	1.6567	0.2372	1.5395	1.9258	0.1326	
100	2.3304	0.8293	0.6486	0.2836	0.9695	1.6689	0.2273	1.5245	1.9207	0.1178	
105	2.3815	0.8277	0.6100	0.2698	0.9744	1.6805	0.2179	1.5105	1.9162	0.1054	
110	2.4250	0.8261	0.5712	0.2552	0.9793	1.6915	0.2085	1.4974	1.9122	0.0948	
115	2.4603	0.8247	0.5321	0.2400	0.9842	1.7020	0.2003	1.4852	1.9086	0.0858	
120	2.4870	0.8234	0.4925	0.2241	0.9891	1.7120	0.2431	1.4737	1.9054	0.0782	
125	2.5045	0.8221	0.4527	0.2076	0.9941	1.7214	0.2373	1.4629	1.9025	0.0717	
130	2.5126	0.8210	0.4125	0.1906	0.9991	1.7304	0.2319	1.4526	1.9000	0.0662	
135	2.5112	0.8200	0.3721	0.1730	1.0041	1.7389	0.2270	1.4429	1.8976	0.0614	
140	2.5001	0.8191	0.3314	0.1550	1.0091	1.7470	0.2226	1.4337	1.8955	0.0575	
145	2.4793	0.8183	0.2904	0.1366	1.0141	1.7547	0.2187	1.4250	1.8936	0.0541	
150	2.4492	0.8176	0.2493	0.1177	1.0192	1.7619	0.2152	1.4166	1.8919	0.0511	
155	2.4098	0.8170	0.2080	0.0986	1.0243	1.7687	0.2123	1.4087	1.8903	0.0491	
160	2.3615	0.8165	0.1666	0.0792	1.0294	1.7752	0.2099	1.4010	1.8888	0.0473	
165	2.3050	0.8162	0.1250	0.0596	1.0345	1.7813	0.2080	1.3937	1.8875	0.0459	
170	2.2407	0.8159	0.0834	0.0398	1.0396	1.7871	0.2066	1.3867	1.8862	0.0450	
175	2.1695	0.8157	0.0417	0.0199	1.0448	1.7925	0.2058	1.3799	1.8851	0.0444	
180	2.0923	0.8157	0.	0.	1.0499	1.7977	0.2056	1.3733	1.8840	0.0442	

GAMMA = 0.2000

ALPHA = 10.000

K = 0.500

DC = 2.0916	XR = 1.2145	BR = 1.865397	TR = 64.58	CR = 5.1561	QR = 0.7953E 04					
ETA	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
0	1.0000	0.8832	1.2982	0.3833	0.8832	1.2982	0.3833	3.0225	3.0773	24.7243
5	0.9886	0.8796	1.2720	0.3863	0.8869	1.3236	0.3795	2.5523	2.6432	8.3632
10	1.0012	0.8761	1.2452	0.3886	0.8906	1.3482	0.3751	2.5523	2.6432	8.3632
15	1.0293	0.8727	1.2176	0.3901	0.8944	1.3721	0.3700	2.3151	2.4365	4.3471
20	1.0696	0.8694	1.1893	0.3908	0.8984	1.3953	0.3643	2.1627	2.3112	2.6922
25	1.1202	0.8661	1.1602	0.3907	0.9023	1.4177	0.3581	2.0527	2.2257	1.8345
30	1.1792	0.8630	1.1305	0.3898	0.9064	1.4394	0.3513	1.9682	2.1636	1.3277
35	1.2452	0.8600	1.1001	0.3879	0.9105	1.4603	0.3441	1.9004	2.1166	1.0016
40	1.3168	0.8570	1.0689	0.3852	0.9147	1.4805	0.3364	1.8444	2.0798	0.7788
45	1.3925	0.8541	1.0372	0.3816	0.9190	1.5000	0.3284	1.7970	2.0505	0.6197
50	1.4710	0.8514	1.0047	0.3771	0.9233	1.5187	0.3200	1.7562	2.0266	0.5023
55	1.5511	0.8487	0.9717	0.3717	0.9277	1.5367	0.3113	1.7205	2.0068	0.4132
60	1.6313	0.8462	0.9380	0.3654	0.9322	1.5541	0.3024	1.6891	1.9904	0.3440
65	1.7105	0.8437	0.9037	0.3582	0.9367	1.5707	0.2933	1.6610	1.9765	0.2895
70	1.7934	0.8413	0.8688	0.3501	0.9412	1.5867	0.2836	1.6358	1.9647	0.2439
75	1.9998	0.8391	0.8334	0.3411	0.9458	1.6020	0.2744	1.6130	1.9545	0.2301
80	2.0696	0.8369	0.7974	0.3312	0.9505	1.6166	0.2650	1.5922	1.9458	0.1975
85	2.1405	0.8349	0.7609	0.3205	0.9552	1.6306	0.2553	1.5732	1.9382	0.1715
90	2.2087	0.8329	0.7239	0.3090	0.9599	1.6439	0.2464	1.5577	1.9316	0.1502
95	2.2725	0.8311	0.6864	0.2967	0.9647	1.6567	0.2372	1.5395	1.9258	0.1326
100	2.3304	0.8293	0.6486	0.2836	0.9695	1.6689	0.2273	1.5245	1.9207	0.1178
105	2.3815	0.8277	0.6100	0.2698	0.9744	1.6805	0.2179	1.5105	1.9162	0.1054
110	2.4250	0.8261	0.5712	0.2552	0.9793	1.6915	0.2085	1.4974	1.9122	0.0948
115	2.4603	0.8247	0.5321	0.2400	0.9842	1.7020	0.2003	1.4852	1.9086	0.0858
120	2.4870	0.8234	0.4925	0.2241	0.9891	1.7120	0.2431	1.4737	1.9054	0.0782
125	2.5045	0.8221	0.4527	0.2076	0.9941	1.7214	0.2373	1.4629	1.9025	0.0717
130	2.5126	0.8210	0.4125	0.1906	0.9991	1.7304	0.2319	1.4526	1.9000	0.0662
135	2.5112	0.8200	0.3721	0.1730	1.0041	1.7389	0.2270	1.4429	1.8976	0.0614
140	2.5001	0.8191	0.3314	0.1550	1.0091	1.7470	0.2226	1.4337	1.8955	0.0575
145	2.4793	0.8183	0.2904	0.1366	1.0141	1.7547	0.2187	1.4250	1.8936	0.0541
150	2.4492	0.8176	0.2493	0.1177	1.0192	1.7619	0.2152	1.4166	1.8919	0.0511
155	2.4098	0.8170	0.2080	0.0986	1.0243	1.7687	0.2123	1.4087	1.8903	0.0491
160	2.3615	0.8165	0.1666	0.0792	1.0294	1.7752	0.2099	1.4010	1.8888	0.0473
165	2.3050	0.8162	0.1250	0.0596	1.0345	1.7813	0.2080	1.3937	1.8875	0.0459
170	2.2407	0.8159	0.0834	0.0398	1.0396	1.7871	0.2066	1.3867	1.8862	0.0450
175	2.1695	0.8157	0.0417	0.0199	1.0448	1.7925	0.2058	1.3799	1.8851	0.0444
180	2.0923	0.8157	0.	0.	1.0499	1.7977	0.2056	1.3733	1.8840	0.0442

GAMMA = 0.2000

ALPHA = 20.000

K = 0.500

DC = 2.2568	KR = 1.1882	BR = 1.767159	TR = 160.28	CR = 2.4481	QR = 0.8798E 03					
THEVA	SV	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.8863	1.2579	0.3585	0.8863	1.2579	0.8863	2.1889	2.9413	22.5693
5	0.9998	0.8862	1.2326	0.3616	0.8905	1.2824	0.8858	2.1450	2.5272	7.6842
10	1.0033	0.8873	1.2067	0.3639	0.8947	1.3062	0.8865	2.1003	2.1003	3.9889
15	1.0032	0.8875	1.1800	0.3665	0.8991	1.3292	0.8855	2.0540	2.3300	2.4599
20	1.0759	0.8807	1.1526	0.3689	0.9036	1.3515	0.8899	2.0084	2.3102	1.6774
25	1.1294	0.8671	1.1246	0.3683	0.9081	1.3731	0.8839	1.9632	2.2885	1.2158
30	1.1918	0.8836	1.0958	0.3653	0.9128	1.3940	0.8873	1.8824	2.0891	0.9191
35	1.2616	0.8602	1.0663	0.3639	0.9174	1.4142	0.8803	1.8174	1.9887	0.7188
40	1.3372	0.8578	1.0362	0.3615	0.9225	1.4338	0.8819	1.7685	1.9087	0.6718
45	1.4172	0.8538	1.0055	0.3582	0.9275	1.4528	0.8832	1.7179	1.9034	0.6371
50	1.5002	0.8587	0.9741	0.3540	0.9328	1.4703	0.8873	1.6734	1.8973	0.6055
55	1.5849	0.8578	0.9420	0.3490	0.9377	1.4873	0.8888	1.6340	1.9182	0.5847
60	1.6698	0.8440	0.9094	0.3432	0.9430	1.5036	0.8862	1.6013	1.9021	0.5621
65	1.7537	0.8423	0.8762	0.3365	0.9484	1.5193	0.8820	1.5715	1.8864	0.5387
70	1.8353	0.8397	0.8424	0.3289	0.9539	1.5345	0.8822	1.5513	1.8767	0.5231
75	1.9135	0.8372	0.8080	0.3205	0.9593	1.5493	0.8858	1.5337	1.8666	0.5081
80	1.9870	0.8346	0.7732	0.3113	0.9648	1.5638	0.8899	1.5181	1.8579	0.4940
85	2.0544	0.8320	0.7378	0.3013	0.9703	1.5780	0.8939	1.4990	1.8502	0.4811
90	2.1256	0.8304	0.7019	0.2905	0.9758	1.5919	0.8979	1.4814	1.8434	0.4694
95	2.1987	0.8288	0.6655	0.2789	0.9813	1.6056	0.9000	1.4650	1.8373	0.4597
100	2.2731	0.8265	0.6288	0.2668	0.9868	1.6193	0.9009	1.4496	1.8320	0.4519
105	2.3499	0.8247	0.5915	0.2533	0.9923	1.6328	0.9022	1.4351	1.8271	0.4450
110	2.4285	0.8230	0.5539	0.2399	1.0013	1.6462	0.9035	1.4214	1.8228	0.4389
115	2.5088	0.8215	0.5160	0.2255	1.0097	1.6593	0.9046	1.4084	1.8188	0.4336
120	2.5876	0.8200	0.4776	0.2107	1.0185	1.6722	0.9058	1.3950	1.8152	0.4290
125	2.6679	0.8187	0.4390	0.1952	1.0269	1.6848	0.9069	1.3821	1.8119	0.4250
130	2.7545	0.8175	0.4000	0.1792	1.0357	1.6972	0.9080	1.3702	1.8088	0.4212
135	2.8291	0.8164	0.3608	0.1627	1.0449	1.7093	0.9089	1.3581	1.8060	0.4176
140	2.9110	0.8154	0.3213	0.1457	1.0541	1.7212	0.9098	1.3461	1.8033	0.4142
145	2.9934	0.8145	0.2816	0.1284	1.0632	1.7329	0.9106	1.3340	1.8008	0.4109
150	3.0774	0.8136	0.2418	0.1107	1.0727	1.7443	0.9113	1.3220	1.7984	0.4082
155	3.1631	0.8127	0.2017	0.0927	1.0825	1.7556	0.9119	1.3100	1.7961	0.4056
160	3.2507	0.8118	0.1615	0.0745	1.0926	1.7667	0.9124	1.2982	1.7939	0.4032
165	3.3402	0.8110	0.1213	0.0560	1.1030	1.7776	0.9129	1.2861	1.7917	0.4008
170	3.4318	0.8101	0.0809	0.0374	1.1139	1.7883	0.9133	1.2740	1.7895	0.4081
175	3.5254	0.8094	0.0405	0.0188	1.1254	1.7989	0.9136	1.2719	1.7873	0.4091
180	3.6212	0.8087	0.0	0.0	1.1374	1.8093	0.9139	1.2682	1.7850	0.4096

GAMMA = 0.2000

ALPHA = 10.000

K = 0.800

DC = 2.2611	KR = 1.1620	BR = 1.630874	TR = 131.50	CR = 2.2951	QR = 0.1723E 03					
THEVA	SV	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.8912	1.2002	0.3262	0.8912	1.2002	0.3262			
5	0.9908	0.8863	1.1761	0.3290	0.8963	1.2235	0.3288	2.6914	2.7401	19.5451
10	1.0077	0.8815	1.1513	0.3311	0.9015	1.2462	0.3108	2.1241	2.3650	6.6121
15	1.0420	0.8769	1.1259	0.3326	0.9068	1.2682	0.3143	2.0682	2.1713	3.4405
20	1.0906	0.8725	1.0998	0.3334	0.9125	1.2894	0.3092	1.9378	2.0599	2.1360
25	1.1512	0.8682	1.0730	0.3336	0.9183	1.3100	0.3038	1.8297	1.9837	1.4616
30	1.2220	0.8641	1.0455	0.3327	0.9242	1.3299	0.2979	1.7540	1.9280	1.0642
35	1.3013	0.8601	1.0175	0.3313	0.9303	1.3491	0.2916	1.6928	1.8856	0.8093
40	1.3875	0.8562	0.9887	0.3291	0.9366	1.3678	0.2851	1.6419	1.8521	0.6357
45	1.4791	0.8525	0.9594	0.3261	0.9431	1.3858	0.2782	1.5964	1.8250	0.5122
50	1.5747	0.8489	0.9294	0.3224	0.9498	1.4033	0.2712	1.5605	1.8026	0.4214
55	1.6730	0.8455	0.8988	0.3178	0.9568	1.4193	0.2640	1.5270	1.7839	0.3529
60	1.7729	0.8423	0.8677	0.3125	0.9639	1.4352	0.2568	1.4970	1.7679	0.3000
65	1.8732	0.8391	0.8360	0.3064	0.9714	1.4505	0.2495	1.4698	1.7541	0.2587
70	1.9730	0.8361	0.8037	0.2995	0.9791	1.4652	0.2423	1.4449	1.7420	0.2260
75	2.0717	0.8333	0.7709	0.2919	0.9871	1.4796	0.2352	1.4217	1.7313	0.1999
80	2.1688	0.8306	0.7377	0.2835	0.9954	1.4930	0.2283	1.4001	1.7218	0.1790
85	2.2641	0.8280	0.7039	0.2743	1.0041	1.5061	0.2218	1.3797	1.7131	0.1623
90	2.3582	0.8255	0.6696	0.2645	1.0133	1.5187	0.2158	1.3603	1.7052	0.1491
95	2.4522	0.8232	0.6350	0.2539	1.0229	1.5309	0.2105	1.3415	1.6978	0.1391
100	2.5490	0.8211	0.5998	0.2427	1.0331	1.5422	0.2062	1.3232	1.6908	0.1320
105	2.6536	0.8190	0.5643	0.2309	1.0441	1.5568	0.2033	1.3051	1.6841	0.1278
110	2.7762	0.8171	0.5285	0.2184	1.0561	1.5656	0.2028	1.2859	1.6775	0.1272
115	2.9381	0.8153	0.4922	0.2054	1.0695	1.5789	0.2062	1.2681	1.6708	0.1314
120	3.1298	0.8137	0.4556	0.1918	1.0849	1.5885	0.2175	1.2479	1.6637	0.1443
125	3.3423	0.8122	0.4188	0.1777	1.1040	1.6012	0.2503	1.2245	1.6553	0.1793
130	3.5759	0.8108	0.3816	0.1631	1.1341	1.6179	0.4345	1.1909	1.6427	0.3548
135	1.0191	0.8096	0.3442	0.1481						
140	0.9841	0.8085	0.3065	0.1326						
145	0.8953	0.8075	0.2687	0.1169						
150	0.8122	0.8067	0.2306	0.1008						
155	0.7145	0.8059	0.1924	0.0844						
160	0.6019	0.8054	0.1541	0.0678						
165	0.4743	0.8049	0.1157	0.0510						
170	0.3314	0.8046	0.0772	0.0341						
175	0.1733	0.8044	0.0386	0.0171						
180	0.	0.8043	0.	0.						

GAMMA = 0.2000

ALPHA = 20.000

K = 1.000

DC = 2.3431	XR = 1.1480	BR = 1.541093	TR = 180.54	CR = 1.7537	QR = 0.8071E 07					
THETA	S0	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8950	1.11603	0.3067	0.8950	1.11603	0.3067			
5	0.9925	0.8893	1.11369	0.3091	0.9009	1.11830	0.3039	2.5474	2.5936	17.4817
10	1.01228	0.8938	1.1128	0.3108	0.9071	1.12052	0.3005	2.11530	2.2295	5.9168
15	1.0524	0.8785	1.10881	0.3120	0.9135	1.12268	0.2968	1.9550	2.0562	3.0837
20	1.1082	0.8734	1.10628	0.3125	0.9201	1.12474	0.2926	1.8252	1.9503	1.9204
25	1.1779	0.8685	1.10368	0.3124	0.9271	1.12678	0.2881	1.7319	1.8278	1.3203
30	1.2596	0.8638	1.10102	0.3116	0.9343	1.12870	0.2834	1.6595	1.6845	0.9675
35	1.3516	0.8593	0.9830	0.3101	0.9418	1.13059	0.2784	1.6007	1.7835	0.7420
40	1.4525	0.8549	0.9552	0.3079	0.9497	1.13242	0.2734	1.5512	1.7609	0.5890
45	1.5615	0.8507	0.9267	0.3050	0.9579	1.13420	0.2688	1.5086	1.7342	0.4809
50	1.6772	0.8468	0.8977	0.3014	0.9666	1.13592	0.2634	1.4711	1.7018	0.4021
55	1.7999	0.8429	0.8681	0.2971	0.9757	1.13758	0.2588	1.4374	1.6826	0.3436
60	1.9295	0.8393	0.8380	0.2920	0.9853	1.13920	0.2547	1.4067	1.6659	0.2995
65	2.0672	0.8358	0.8073	0.2862	0.9955	1.14078	0.2514	1.3782	1.6511	0.2665
70	2.2160	0.8325	0.7761	0.2797	1.0065	1.14232	0.2499	1.3513	1.6376	0.2422
75	2.3815	0.8293	0.7444	0.2725	1.0185	1.14384	0.2491	1.3256	1.6251	0.2258
80	2.5758	0.8263	0.7123	0.2646	1.0316	1.14535	0.2522	1.3003	1.6132	0.2168
85	2.8233	0.8235	0.6796	0.2560	1.0465	1.14688	0.2611	1.2748	1.6015	0.2172
90	3.1928	0.8208	0.6465	0.2468	1.0640	1.14843	0.2826	1.2480	1.5893	0.2328
95	3.6426	0.8182	0.6130	0.2369	1.0866	1.15027	0.3423	1.2172	1.5752	0.2887
100	1.1207	0.8158	0.5791	0.2264						
105	1.1364	0.8136	0.5448	0.2159						
110	1.1526	0.8115	0.5101	0.2036						
115	1.1583	0.8096	0.4751	0.1914						
120	1.1528	0.8078	0.4398	0.1787						
125	1.1352	0.8062	0.4042	0.1656						
130	1.1050	0.8047	0.3683	0.1520						
135	1.0615	0.8033	0.3322	0.1379						
140	1.0042	0.8021	0.2958	0.1236						
145	0.9524	0.8010	0.2593	0.1088						
150	0.8458	0.8001	0.2226	0.0938						
155	0.7440	0.7993	0.1857	0.0786						
160	0.6268	0.7987	0.1487	0.0631						
165	0.4938	0.7982	0.1116	0.0475						
170	0.3451	0.7978	0.0745	0.0317						
175	0.1804	0.7976	0.0372	0.0159						
180	0.	0.7976	0.	0.						

GAMMA = 0.2000

ALPHA = 10.000

K = 1.200

DC = 2.4109	XR = 1.1390	BR = 1.477411	TR = 82.05	CR = 1.4321	QR = 0.5050E 02					
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8980	1.1309	0.2946	0.8980	1.1309	0.2946			
5	0.9943	0.8915	1.11078	0.2963	0.9047	1.11533	0.2925	2.14355	2.4796	15.9597
10	1.0186	0.8852	1.10842	0.2975	0.9118	1.11751	0.2901	2.0591	2.1322	5.4059
15	1.0646	0.8794	1.10599	0.2982	0.9192	1.11966	0.2873	1.8687	1.9664	2.8243
20	1.1291	0.8737	1.10351	0.2983	0.9269	1.12171	0.2844	1.7452	1.8648	1.7663
25	1.2100	0.8683	1.10096	0.2979	0.9351	1.12372	0.2814	1.6552	1.7948	1.2219
30	1.3054	0.8631	0.9836	0.2969	0.9437	1.12568	0.2784	1.5850	1.7430	0.9030
35	1.4143	0.8581	0.9570	0.2952	0.9528	1.12758	0.2756	1.5284	1.7028	0.7001
40	1.5363	0.8533	0.9297	0.2929	0.9624	1.12945	0.2732	1.4785	1.6703	0.5638
45	1.6718	0.8487	0.9020	0.2900	0.9727	1.13127	0.2716	1.4358	1.6433	0.4689
50	1.8227	0.8444	0.8736	0.2864	0.9838	1.13305	0.2711	1.3975	1.6201	0.4018
55	1.9933	0.8402	0.8448	0.2821	0.9959	1.13483	0.2726	1.3623	1.5997	0.3546
60	2.1925	0.8362	0.8154	0.2772	1.0091	1.13660	0.2772	1.3292	1.5811	0.3234
65	2.4399	0.8324	0.7854	0.2715	1.0241	1.13838	0.2876	1.2971	1.5637	0.3072
70	2.7633	0.8288	0.7550	0.2653	1.0417	1.14025	0.3096	1.2648	1.5465	0.3094
75	3.3816	0.8254	0.7241	0.2583	1.0636	1.14230	0.3626	1.2299	1.5281	0.3478
80	5.4198	0.8222	0.6928	0.2507	1.0974	1.14497	0.5918	1.1848	1.5039	0.5668
85	1.0214	0.8191	0.6610	0.2425						
90	1.0723	0.8162	0.6287	0.2337						
95	1.1160	0.8135	0.5961	0.2243						
100	1.1515	0.8109	0.5631	0.2143						
105	1.1780	0.8085	0.5297	0.2037						
110	1.1944	0.8063	0.4960	0.1926						
115	1.2001	0.8042	0.4619	0.1811						
120	1.1941	0.8023	0.4275	0.1690						
125	1.1757	0.8005	0.3929	0.1565						
130	1.1443	0.7989	0.3580	0.1436						
135	1.0991	0.7975	0.3229	0.1304						
140	1.0395	0.7962	0.2875	0.1168						
145	0.9651	0.7950	0.2520	0.1029						
150	0.8754	0.7941	0.2163	0.0887						
155	0.7800	0.7932	0.1805	0.0742						
160	0.6486	0.7925	0.1445	0.0596						
165	0.5110	0.7920	0.1085	0.0449						
170	0.3571	0.7916	0.0724	0.0300						
175	0.1867	0.7914	0.0362	0.0150						
180	0.	0.7913	0.	0.						

GAMMA = 0.2000 ALPHA = 10.000 K = 1.400

DC = 2.4689 XR = 1.1328 BR = 1.429828 TR = 69.58 CR = 1.2151 QR = 0.3626E 02										
THETA	ST	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.9004	1.1081	0.2870	0.9004	1.1081	0.2870			
5	0.9963	0.8932	1.0853	0.2879	0.9079	1.11305	0.2859	2.13451	2.2875	14.7771
10	1.0252	0.8864	1.0618	0.2884	0.9159	1.11523	0.2846	1.9825	2.0529	5.0118
15	1.0786	0.8798	1.0379	0.2886	0.9243	1.11736	0.2832	1.7994	1.8934	2.6265
20	1.1534	0.8736	1.0133	0.2883	0.9332	1.11944	0.2819	1.6798	1.7951	1.6514
25	1.2478	0.8677	0.9882	0.2875	0.9426	1.12148	0.2810	1.5922	1.7268	1.1512
30	1.3606	0.8620	0.9625	0.2861	0.9527	1.12348	0.2806	1.5233	1.6759	0.8597
35	1.4925	0.8566	0.9363	0.2842	0.9636	1.12545	0.2813	1.4651	1.6358	0.6762
40	1.6457	0.8515	0.9096	0.2818	0.9754	1.12740	0.2836	1.4169	1.6028	0.5553
45	1.8258	0.8465	0.8823	0.2787	0.9884	1.12934	0.2887	1.3730	1.5747	0.4746
50	2.0452	0.8419	0.8544	0.2750	1.0029	1.13130	0.2984	1.3326	1.5497	0.4231
55	2.3324	0.8374	0.8261	0.2707	1.0196	1.13333	0.3172	1.2939	1.5266	0.3972
60	2.7673	0.8331	0.7972	0.2658	1.0398	1.13550	0.3564	1.2549	1.5037	0.4035
65	3.4953	0.8291	0.7679	0.2603	1.0672	1.13805	0.4659	1.2113	1.4783	0.4886
70	0.8639	0.8252	0.7381	0.2541						
75	0.9328	0.8216	0.7078	0.2474						
80	0.9968	0.8181	0.6771	0.2400						
85	1.0555	0.8149	0.6460	0.2320						
90	1.1078	0.8118	0.6144	0.2235						
95	1.1525	0.8089	0.5825	0.2144						
100	1.1888	0.8062	0.5502	0.2048						
105	1.2158	0.8036	0.5175	0.1947						
110	1.2324	0.8013	0.4845	0.1840						
115	1.2379	0.7991	0.4512	0.1729						
120	1.2315	0.7971	0.4176	0.1614						
125	1.2123	0.7952	0.3838	0.1494						
130	1.1796	0.7935	0.3497	0.1371						
135	1.1328	0.7920	0.3154	0.1244						
140	1.0713	0.7906	0.2808	0.1114						
145	0.9945	0.7894	0.2461	0.0981						
150	0.9019	0.7884	0.2113	0.0846						
155	0.7933	0.7875	0.1763	0.0708						
160	0.6682	0.7868	0.1411	0.0569						
165	0.5264	0.7863	0.1059	0.0428						
170	0.3678	0.7859	0.0707	0.0286						
175	0.1923	0.7856	0.0353	0.0143						
180	0.	0.7856	0.	0.						

GAMMA = 0.2000 ALPHA = 10.000 K = 1.600

DC = 2.5197 XR = 1.1281 BR = 1.392889 TR = 60.49 CR = 1.0558 QR = 0.2815E 02										
THETA	ST	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.9024	1.0900	0.2825	0.9024	1.0900	0.2825			
5	0.9984	0.8945	1.0672	0.2825	0.9107	1.11124	0.2825	2.12693	2.3104	13.8255
10	1.0325	0.8871	1.0438	0.2822	0.9196	1.11344	0.2825	1.9188	1.9869	4.6967
15	1.0944	0.8800	1.0200	0.2818	0.9290	1.11549	0.2829	1.7412	1.8322	2.4710
20	1.1812	0.8733	0.9956	0.2809	0.9390	1.11771	0.2838	1.6247	1.7363	1.5635
25	1.2919	0.8669	0.9707	0.2797	0.9499	1.11980	0.2857	1.5387	1.6693	1.1000
30	1.4272	0.8608	0.9453	0.2780	0.9617	1.12188	0.2893	1.4703	1.6186	0.8324
35	1.5913	0.8550	0.9194	0.2758	0.9747	1.12395	0.2956	1.4129	1.5780	0.6671
40	1.7939	0.8495	0.8930	0.2731	0.9892	1.12605	0.3064	1.3624	1.5438	0.5632
45	2.0582	0.8443	0.8660	0.2699	1.0059	1.12821	0.3260	1.3160	1.5136	0.5029
50	2.4456	0.8393	0.8386	0.2661	1.0259	1.13052	0.3644	1.2711	1.4851	0.4842
55	3.1945	0.8346	0.8107	0.2617	1.0525	1.13320	0.4610	1.2235	1.4553	0.5393
60	0.7406	0.8301	0.7822	0.2568						
65	0.8172	0.8258	0.7534	0.2513						
70	0.8912	0.8217	0.7240	0.2452						
75	0.9615	0.8179	0.6943	0.2386						
80	1.0272	0.8142	0.6641	0.2313						
85	1.0872	0.8108	0.6335	0.2236						
90	1.1406	0.8076	0.6025	0.2153						
95	1.1862	0.8045	0.5711	0.2064						
100	1.2232	0.8017	0.5394	0.1971						
105	1.2505	0.7990	0.5073	0.1873						
110	1.2673	0.7966	0.4750	0.1770						
115	1.2726	0.7943	0.4423	0.1663						
120	1.2657	0.7922	0.4094	0.1552						
125	1.2457	0.7902	0.3761	0.1436						
130	1.2119	0.7885	0.3427	0.1318						
135	1.1636	0.7869	0.3091	0.1195						
140	1.1002	0.7855	0.2752	0.1070						
145	1.0212	0.7842	0.2412	0.0942						
150	0.9261	0.7831	0.2070	0.0812						
155	0.8144	0.7822	0.1727	0.0680						
160	0.6859	0.7815	0.1383	0.0546						
165	0.5403	0.7809	0.1038	0.0411						
170	0.3775	0.7805	0.0692	0.0274						
175	0.1974	0.7802	0.0346	0.0137						
180	0.	0.7802	0.	0.						

GAMMA = 0.2000

ALPHA = 10:000

K = 1.000

DC = 2.5650	XR = 1.1245	BR = 1.363362	TR = 53.57	GR = 0.9350	QR = 0.2297E 02					
THETA	S1	K1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.9041	1.0752	0.2801	0.9041	1.0752	0.2801			
5	1.0007	0.8955	1.0523	0.2791	0.9132	1.0978	0.2814	2.2049	2.2448	13.0375
10	1.0006	0.8875	1.0289	0.2780	0.9229	1.1208	0.2831	1.8643	1.9304	4.4384
15	1.1220	0.8799	1.0051	0.2768	0.9334	1.1419	0.2855	1.6912	1.7797	2.3458
20	1.2128	0.8727	0.9808	0.2754	0.9447	1.1636	0.2898	1.5770	1.6856	1.4954
25	1.3433	0.8659	0.9561	0.2737	0.9571	1.1853	0.2952	1.4920	1.6192	1.0638
30	1.5083	0.8595	0.9309	0.2716	0.9708	1.2072	0.3046	1.4286	1.5682	0.8183
35	1.7200	0.8533	0.9052	0.2691	0.9864	1.2295	0.3202	1.3650	1.5265	0.6727
40	2.0096	0.8475	0.8790	0.2662	1.0046	1.2529	0.3480	1.3120	1.4902	0.5926
45	2.4703	0.8420	0.8523	0.2628	1.0272	1.2768	0.4055	1.2607	1.4560	0.5751
50	3.5784	0.8367	0.8252	0.2588	1.0596	1.3105	0.5814	1.2044	1.4187	0.6974
55	0.6829	0.8318	0.7976	0.2544						
60	0.7629	0.8270	0.7695	0.2494						
65	0.8413	0.8225	0.7410	0.2439						
70	0.9169	0.8183	0.7121	0.2378						
75	0.9887	0.8143	0.6827	0.2313						
80	1.0557	0.8105	0.6530	0.2242						
85	1.1169	0.8069	0.6228	0.2165						
90	1.1712	0.8035	0.5923	0.2084						
95	1.2176	0.8004	0.5614	0.1998						
100	1.2551	0.7974	0.5302	0.1907						
105	1.2827	0.7947	0.4986	0.1811						
110	1.2995	0.7921	0.4668	0.1711						
115	1.3047	0.7897	0.4347	0.1607						
120	1.2972	0.7875	0.4023	0.1499						
125	1.2764	0.7855	0.3696	0.1388						
130	1.2416	0.7837	0.3367	0.1273						
135	1.1919	0.7820	0.3037	0.1154						
140	1.1268	0.7806	0.2704	0.1033						
145	1.0457	0.7793	0.2370	0.0910						
150	0.9482	0.7782	0.2034	0.0784						
155	0.8338	0.7772	0.1697	0.0656						
160	0.7021	0.7765	0.1359	0.0527						
165	0.5531	0.7759	0.1020	0.0396						
170	0.3864	0.7754	0.0680	0.0265						
175	0.2020	0.7752	0.0340	0.0133						
180	0.	0.7751	0.	0.						

GAMMA = 0.2000

ALPHA = 10:000

K = 2.000

DC = 2.6059	XR = 1.1217	BR = 1.399208	TR = 48.11	GR = 0.8397	QR = 0.1939E 02					
THETA	S1	K1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.9055	1.0629	0.2794	0.9055	1.0629	0.2794			
5	1.0032	0.8963	1.0398	0.2772	0.9154	1.0857	0.2821	2.1485	2.1873	12.3731
10	1.0035	0.8877	1.0163	0.2752	0.9260	1.1082	0.2857	1.8167	1.8811	4.2225
15	1.1316	0.8797	0.9925	0.2733	0.9375	1.1307	0.2907	1.6474	1.7337	2.2437
20	1.2485	0.8720	0.9683	0.2712	0.9502	1.1532	0.2980	1.5349	1.6409	1.4426
25	1.4035	0.8648	0.9436	0.2690	0.9643	1.1759	0.3094	1.4504	1.5747	1.0400
30	1.6088	0.8580	0.9185	0.2666	0.9804	1.1992	0.3276	1.3812	1.5230	0.8170
35	1.8965	0.8516	0.8930	0.2637	0.9993	1.2239	0.3598	1.3206	1.4794	0.6965
40	2.3672	0.8455	0.8670	0.2605	1.0231	1.2513	0.4268	1.2631	1.4393	0.6613
45	3.5870	0.8397	0.8405	0.2569	1.0581	1.2863	0.6461	1.2002	1.3958	0.8096
50	0.6201	0.8342	0.8136	0.2528						
55	0.7025	0.8290	0.7863	0.2483						
60	0.7842	0.8241	0.7585	0.2432						
65	0.8641	0.8194	0.7303	0.2377						
70	0.9412	0.8150	0.7017	0.2316						
75	1.0144	0.8108	0.6727	0.2251						
80	1.0826	0.8069	0.6433	0.2181						
85	1.1448	0.8032	0.6135	0.2106						
90	1.2000	0.7997	0.5834	0.2026						
95	1.2470	0.7964	0.5530	0.1941						
100	1.2849	0.7934	0.5222	0.1852						
105	1.3128	0.7905	0.4911	0.1759						
110	1.3296	0.7878	0.4597	0.1661						
115	1.3345	0.7854	0.4280	0.1560						
120	1.3266	0.7831	0.3961	0.1455						
125	1.3050	0.7811	0.3639	0.1346						
130	1.2691	0.7792	0.3315	0.1234						
135	1.2181	0.7775	0.2989	0.1119						
140	1.1514	0.7760	0.2662	0.1002						
145	1.0684	0.7746	0.2333	0.0882						
150	0.9686	0.7735	0.2002	0.0760						
155	0.8516	0.7725	0.1670	0.0636						
160	0.7171	0.7717	0.1337	0.0511						
165	0.5649	0.7711	0.1004	0.0384						
170	0.3946	0.7707	0.0669	0.0257						
175	0.2063	0.7704	0.0335	0.0128						
180	0.	0.7703	0.	0.						

GAMMA=0.2000 ALPHA=10.000 K= 2.20

DC= 2.6434 XR= 1.11932 BR= 1.31907
TR=43.6764 CR= 0.76230 QR=16.77536

THETA	ST	X1	B1	S1
0	1.0000	0.9068	1.0524	0.2798
5	1.0058	0.8970	1.0291	0.2763
10	1.0592	0.8878	1.0055	0.2734
15	1.1532	0.8793	0.9816	0.2707
20	1.2888	0.8712	0.9574	0.2681
25	1.4747	0.8636	0.9328	0.2653
30	1.7376	0.8565	0.9077	0.2624
35	2.1607	0.8498	0.8823	0.2593
40	3.1636	0.8434	0.8564	0.2558
45	0.5535	0.8374	0.8302	0.2520
50	0.6373	0.8317	0.8035	0.2477
55	0.7213	0.8263	0.7763	0.2430
60	0.8046	0.8212	0.7488	0.2379
65	0.8860	0.8163	0.7209	0.2323
70	0.9644	0.8118	0.6926	0.2263
75	1.0388	0.8075	0.6639	0.2198
80	1.1081	0.8034	0.6348	0.2128
85	1.1712	0.7996	0.6054	0.2054
90	1.2271	0.7960	0.5756	0.1975
95	1.2747	0.7926	0.5455	0.1892
100	1.3130	0.7895	0.5151	0.1804
105	1.3410	0.7865	0.4844	0.1713
110	1.3578	0.7838	0.4534	0.1617
115	1.3624	0.7813	0.4221	0.1518
120	1.3540	0.7789	0.3906	0.1415
125	1.3317	0.7768	0.3588	0.1309
130	1.2948	0.7749	0.3269	0.1200
135	1.2425	0.7732	0.2948	0.1089
140	1.1743	0.7716	0.2624	0.0974
145	1.0895	0.7702	0.2300	0.0857
150	0.9876	0.7691	0.1974	0.0739
155	0.8683	0.7681	0.1647	0.0618
160	0.7311	0.7673	0.1318	0.0496
165	0.5758	0.7666	0.0990	0.0373
170	0.4022	0.7662	0.0660	0.0249
175	0.2103	0.7659	0.0330	0.0125
180	0.	0.7658	0.	0.

GAMMA=0.2000 ALPHA=10.000 K= 2.60

DC= 2.7101 XR= 1.11571 BR= 1.28741
TR=36.9114 CR= 0.64423 QR=13.21570

THETA	ST	X1	B1	S1
0	1.0000	0.9088	1.0356	0.2832
5	1.0115	0.8978	1.0118	0.2770
10	1.0809	0.8876	0.9878	0.2720
15	1.2029	0.8782	0.9637	0.2676
20	1.3864	0.8694	0.9393	0.2637
25	1.6650	0.8611	0.9147	0.2600
30	2.1625	0.8534	0.8897	0.2562
35	3.8641	0.8461	0.8644	0.2524
40	0.4970	0.8393	0.8387	0.2484
45	0.5828	0.8328	0.8127	0.2441
50	0.6698	0.8267	0.7863	0.2395
55	0.7569	0.8210	0.7596	0.2346
60	0.8429	0.8156	0.7324	0.2293
65	0.9269	0.8104	0.7049	0.2236
70	1.0077	0.8056	0.6771	0.2175
75	1.0842	0.8011	0.6489	0.2110
80	1.1553	0.7968	0.6203	0.2041
85	1.2200	0.7928	0.5915	0.1968
90	1.2772	0.7890	0.5623	0.1891
95	1.3257	0.7855	0.5328	0.1810
100	1.3646	0.7821	0.5030	0.1725
105	1.3928	0.7791	0.4729	0.1636
110	1.4094	0.7762	0.4426	0.1544
115	1.4135	0.7736	0.4120	0.1449
120	1.4040	0.7712	0.3812	0.1350
125	1.3803	0.7689	0.3502	0.1249
130	1.3415	0.7669	0.3190	0.1144
135	1.2869	0.7651	0.2876	0.1037
140	1.2159	0.7635	0.2561	0.0928
145	1.1278	0.7621	0.2244	0.0817
150	1.0221	0.7608	0.1926	0.0703
155	0.8984	0.7598	0.1606	0.0589
160	0.7563	0.7590	0.1286	0.0472
165	0.5956	0.7583	0.0965	0.0355
170	0.4161	0.7578	0.0644	0.0237
175	0.2175	0.7575	0.0322	0.0119
180	0.	0.7575	0.	0.

GAMMA=0.2000 ALPHA=10.000 K= 3.000

DC= 2.7684 XR= 1.11305 BR= 1.26363
TR=31.9817 CR= 0.55819 QR=10.90872

THETA	ST	X1	B1	S1
0	1.0000	0.9105	1.0228	0.2890
5	1.0181	0.8982	0.9982	0.2797
10	1.1060	0.8871	0.9738	0.2724
15	1.2625	0.8768	0.9494	0.2664
20	1.5151	0.8673	0.9248	0.2611
25	1.9746	0.8585	0.9001	0.2563
30	3.5215	0.8502	0.8751	0.2518
35	0.4351	0.8425	0.8498	0.2473
40	0.5218	0.8352	0.8243	0.2427
45	0.6105	0.8284	0.7984	0.2380
50	0.7003	0.8220	0.7723	0.2331
55	0.7859	0.8159	0.7458	0.2279
60	0.8784	0.8102	0.7189	0.2224
65	0.9646	0.8049	0.6918	0.2166
70	1.0475	0.7998	0.6643	0.2105
75	1.1258	0.7951	0.6365	0.2040
80	1.1985	0.7906	0.6083	0.1971
85	1.2645	0.7864	0.5799	0.1899
90	1.3226	0.7825	0.5512	0.1823
95	1.3719	0.7788	0.5222	0.1744
100	1.4112	0.7754	0.4929	0.1661
105	1.4395	0.7722	0.4634	0.1574
110	1.4558	0.7692	0.4336	0.1485
115	1.4593	0.7665	0.4036	0.1393
120	1.4489	0.7640	0.3734	0.1297
125	1.4238	0.7617	0.3430	0.1199
130	1.3833	0.7596	0.3124	0.1098
135	1.3266	0.7577	0.2816	0.0995
140	1.2529	0.7561	0.2507	0.0890
145	1.1619	0.7546	0.2197	0.0783
150	1.0528	0.7533	0.1885	0.0674
155	0.9252	0.7523	0.1573	0.0564
160	0.7788	0.7514	0.1259	0.0453
165	0.6132	0.7507	0.0945	0.0340
170	0.4283	0.7502	0.0630	0.0227
175	0.2239	0.7499	0.0315	0.0114
180	0.	0.7498	0.	0.

GAMMA=0.2000 ALPHA=10.000 K= 4.000

DC= 2.8898 XR= 1.10872 BR= 1.22392
TR=24.0648 CR= 0.41896 QR= 7.60775

THETA	ST	X1	B1	S1
0	1.0000	0.9133	1.0007	0.3095
5	1.0376	0.8982	0.9742	0.2911
10	1.1847	0.8848	0.9484	0.2777
15	1.4746	0.8728	0.9230	0.2673
20	2.1760	0.8618	0.8978	0.2587
25	3.3084	0.8516	0.8727	0.2514
30	3.3948	0.8423	0.8475	0.2449
35	0.4852	0.8336	0.8222	0.2388
40	0.5784	0.8255	0.7968	0.2330
45	0.6734	0.8180	0.7712	0.2273
50	0.7689	0.8109	0.7453	0.2217
55	0.8640	0.8043	0.7193	0.2159
60	0.9575	0.7981	0.6930	0.2100
65	1.0483	0.7922	0.6664	0.2039
70	1.1351	0.7868	0.6396	0.1975
75	1.2170	0.7816	0.6125	0.1910
80	1.2927	0.7768	0.5851	0.1841
85	1.3611	0.7723	0.5576	0.1770
90	1.4211	0.7681	0.5297	0.1696
95	1.4715	0.7642	0.5017	0.1620
100	1.5113	0.7605	0.4734	0.1540
105	1.5395	0.7571	0.4449	0.1458
110	1.5550	0.7539	0.4162	0.1374
115	1.5569	0.7510	0.3873	0.1287
120	1.5442	0.7483	0.3582	0.1197
125	1.5160	0.7459	0.3290	0.1106
130	1.4716	0.7437	0.2996	0.1012
135	1.4102	0.7417	0.2700	0.0916
140	1.3310	0.7399	0.2403	0.0819
145	1.2335	0.7384	0.2106	0.0720
150	1.1172	0.7370	0.1807	0.0620
155	0.9814	0.7359	0.1507	0.0518
160	0.8258	0.7350	0.1206	0.0416
165	0.6500	0.7343	0.0905	0.0313
170	0.4539	0.7337	0.0604	0.0209
175	0.2373	0.7334	0.0302	0.0104
180	0.	0.7333	0.	0.

GAMMA=0.2000		ALPHA=10.000		K= 6.000	
DC= 3.0728		XR= 1.10435		BR= 1.18275	
TR=16.0399		CR= 0.27995		QR= 4.75402	
THETA	ST	X1	B1	S1	
0	1.0000	0.9165	0.9771	0.3623	
5	1.0910	0.8961	0.9462	0.3209	
10	1.4418	0.8789	0.9175	0.2939	
15	3.3084	0.8639	0.8901	0.2747	
20	0.2795	0.8506	0.8635	0.2600	
25	0.3729	0.8386	0.8375	0.2483	
30	0.4708	0.8276	0.8117	0.2384	
35	0.5718	0.8176	0.7862	0.2298	
40	0.6749	0.8084	0.7607	0.2220	
45	0.7790	0.7998	0.7352	0.2147	
50	0.8831	0.7919	0.7097	0.2078	
55	0.9859	0.7845	0.6841	0.2011	
60	1.0864	0.7776	0.6584	0.1945	
65	1.1834	0.7712	0.6325	0.1879	
70	1.2757	0.7652	0.6065	0.1813	
75	1.3622	0.7595	0.5803	0.1745	
80	1.4416	0.7543	0.5540	0.1677	
85	1.5128	0.7494	0.5275	0.1606	
90	1.5747	0.7448	0.5009	0.1535	
95	1.6261	0.7405	0.4741	0.1461	
100	1.6659	0.7366	0.4471	0.1386	
105	1.6931	0.7329	0.4199	0.1309	
110	1.7066	0.7295	0.3927	0.1231	
115	1.7054	0.7264	0.3652	0.1151	
120	1.6885	0.7235	0.3377	0.1069	
125	1.6552	0.7209	0.3100	0.0986	
130	1.6044	0.7185	0.2822	0.0901	
135	1.5355	0.7164	0.2543	0.0815	
140	1.4477	0.7145	0.2263	0.0727	
145	1.3404	0.7128	0.1982	0.0639	
150	1.2129	0.7114	0.1700	0.0549	
155	1.0647	0.7102	0.1418	0.0459	
160	0.8954	0.7092	0.1135	0.0368	
165	0.7046	0.7084	0.0851	0.0277	
170	0.4919	0.7079	0.0568	0.0185	
175	0.2571	0.7076	0.0284	0.0092	
180	0.	0.7075	0.	0.	

GAMMA=0.2000		ALPHA=10.000		K= 8.000	
DC= 3.2134		XR= 1.10215		BR= 1.16158	
TR=12.0508		CR= 0.21033		QR= 3.46241	
THETA	ST	X1	B1	S1	
0	1.0000	0.9182	0.9646	0.4214	
5	1.1658	0.8929	0.9293	0.3514	
10	2.0925	0.8725	0.8978	0.3103	
15	0.2280	0.8552	0.8686	0.2828	
20	0.3263	0.8402	0.8408	0.2629	
25	0.4293	0.8268	0.8139	0.2475	
30	0.5358	0.8147	0.7877	0.2350	
35	0.6449	0.8038	0.7618	0.2244	
40	0.7553	0.7938	0.7362	0.2152	
45	0.8662	0.7846	0.7108	0.2068	
50	0.9763	0.7761	0.6854	0.1990	
55	1.0846	0.7682	0.6601	0.1916	
60	1.1899	0.7609	0.6347	0.1845	
65	1.2911	0.7540	0.6093	0.1775	
70	1.3869	0.7477	0.5839	0.1707	
75	1.4762	0.7417	0.5583	0.1638	
80	1.5578	0.7362	0.5327	0.1569	
85	1.6305	0.7310	0.5069	0.1499	
90	1.6931	0.7263	0.4810	0.1429	
95	1.7446	0.7218	0.4550	0.1358	
100	1.7837	0.7176	0.4289	0.1285	
105	1.8095	0.7138	0.4027	0.1212	
110	1.8209	0.7103	0.3764	0.1137	
115	1.8168	0.7070	0.3500	0.1062	
120	1.7984	0.7040	0.3235	0.0985	
125	1.7587	0.7013	0.2969	0.0907	
130	1.7029	0.6988	0.2702	0.0828	
135	1.6281	0.6966	0.2434	0.0748	
140	1.5336	0.6947	0.2165	0.0667	
145	1.4188	0.6929	0.1896	0.0586	
150	1.2830	0.6915	0.1626	0.0503	
155	1.1256	0.6902	0.1356	0.0420	
160	0.9462	0.6892	0.1085	0.0337	
165	0.7443	0.6884	0.0814	0.0253	
170	0.5194	0.6878	0.0543	0.0169	
175	0.2714	0.6875	0.0272	0.0084	
180	0.	0.6874	0.	0.	

GAMMA=0.2000		ALPHA=10.000		K=10.000	
DC= 3.3301		XR= 1.10082		BR= 1.14867	
TR= 9.6526		CR= 0.16847		QR= 2.72424	
THETA	ST	X1	B1	S1	
0	1.0000	0.9193	0.9568	0.4824	
5	1.2682	0.8894	0.9173	0.3801	
10	0.1594	0.8662	0.8833	0.3249	
15	0.2614	0.8471	0.8525	0.2900	
20	0.3685	0.8306	0.8237	0.2655	
25	0.4793	0.8162	0.7961	0.2472	
30	0.5929	0.8033	0.7694	0.2326	
35	0.7083	0.7917	0.7433	0.2205	
40	0.8245	0.7812	0.7175	0.2101	
45	0.9406	0.7715	0.6921	0.2008	
50	1.0554	0.7625	0.6669	0.1924	
55	1.1678	0.7543	0.6417	0.1845	
60	1.2767	0.7467	0.6167	0.1771	
65	1.3808	0.7396	0.5916	0.1698	
70	1.4791	0.7330	0.5666	0.1628	
75	1.5703	0.7268	0.5415	0.1558	
80	1.6532	0.7211	0.5163	0.1489	
85	1.7266	0.7158	0.4911	0.1420	
90	1.7894	0.7108	0.4659	0.1351	
95	1.8405	0.7062	0.4405	0.1281	
100	1.8787	0.7020	0.4151	0.1211	
105	1.9030	0.6980	0.3896	0.1140	
110	1.9123	0.6944	0.3640	0.1068	
115	1.9056	0.6910	0.3384	0.0996	
120	1.8820	0.6880	0.3126	0.0923	
125	1.8406	0.6852	0.2868	0.0849	
130	1.7805	0.6827	0.2610	0.0774	
135	1.7009	0.6804	0.2351	0.0699	
140	1.6010	0.6784	0.2091	0.0623	
145	1.4802	0.6766	0.1831	0.0546	
150	1.3377	0.6751	0.1570	0.0469	
155	1.1731	0.6738	0.1309	0.0392	
160	0.9857	0.6728	0.1048	0.0314	
165	0.7751	0.6720	0.0786	0.0236	
170	0.5408	0.6714	0.0524	0.0157	
175	0.2826	0.6711	0.0262	0.0079	
180	0.	0.6710	0.	0.	

GAMMA=0.2000		ALPHA=10.000		K=20.000	
DC= 3.7488		XR= 1.09815		BR= 1.12239	
TR= 3.8404		CR= 0.06703		QR= 1.32051	
THETA	ST	X1	B1	S1	
0	1.0000	0.9212	0.9404	0.7901	
5	0.1204	0.8720	0.8821	0.4908	
10	0.2593	0.8391	0.8390	0.3738	
15	0.3970	0.8139	0.8028	0.3115	
20	0.5338	0.7934	0.7706	0.2720	
25	0.6704	0.7759	0.7409	0.2445	
30	0.8067	0.7607	0.7128	0.2238	
35	0.9422	0.7472	0.6860	0.2074	
40	1.0763	0.7351	0.6600	0.1939	
45	1.2079	0.7242	0.6346	0.1824	
50	1.3362	0.7142	0.6098	0.1723	
55	1.4600	0.7050	0.5853	0.1631	
60	1.5782	0.6966	0.5611	0.1548	
65	1.6897	0.6888	0.5371	0.1470	
70	1.7932	0.6816	0.5133	0.1396	
75	1.8877	0.6750	0.4896	0.1325	
80	1.9719	0.6688	0.4661	0.1256	
85	2.0448	0.6631	0.4426	0.1189	
90	2.1053	0.6578	0.4192	0.1124	
95	2.1522	0.6529	0.3958	0.1059	
100	2.1845	0.6483	0.3725	0.0996	
105	2.2012	0.6441	0.3491	0.0932	
110	2.2014	0.6403	0.3258	0.0870	
115	2.1841	0.6367	0.3026	0.0807	
120	2.1483	0.6335	0.2793	0.0745	
125	2.0933	0.6305	0.2560	0.0683	
130	2.0182	0.6279	0.2327	0.0621	
135	1.9222	0.6255	0.2095	0.0559	
140	1.8045	0.6234	0.1862	0.0497	
145	1.6644	0.6215	0.1629	0.0434	
150	1.5012	0.6199	0.1397	0.0372	
155	1.3142	0.6186	0.1164	0.0310	
160	1.1027	0.6175	0.0931	0.0248	
165	0.8662	0.6167	0.0698	0.0186	
170	0.6039	0.6161	0.0466	0.0124	
175	0.3154	0.6157	0.0233	0.0062	
180	0.	0.6156	0.	0.	

GAMMA = 0.2000

ALPHA = 11.000

K = 0.200

DC = 1.7618

XD = 1.6676

BO = 2.334802

V2 = -0.2879E 01

THEYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8771	1.5445	0.5509	0.8771	1.5445	0.6108			
5	0.9885	0.8754	1.5129	0.5539	0.8789	1.5752	0.6070	3.7313	3.7990	37.8297
10	1.0809	0.8738	1.4806	0.5560	0.8807	1.6051	0.6025	3.1486	3.2609	12.8001
15	1.0287	0.8719	1.4474	0.5570	0.8825	1.6341	0.5973	2.18542	3.0043	6.6549
20	1.0687	0.8703	1.4134	0.5570	0.8843	1.6624	0.5916	2.6650	2.8485	4.1209
25	1.1188	0.8686	1.3786	0.5559	0.8861	1.6898	0.5853	2.5286	2.7424	2.8060
30	1.1774	0.8670	1.3430	0.5537	0.8880	1.7164	0.5785	2.4239	2.6654	2.0278
35	1.2432	0.8654	1.3067	0.5503	0.8898	1.7422	0.5713	2.3400	2.6071	1.5261
40	1.3149	0.8639	1.2695	0.5458	0.8917	1.7672	0.5637	2.2709	2.5617	1.1826
45	1.3915	0.8624	1.2316	0.5402	0.8935	1.7914	0.5557	2.2127	2.5266	0.9369
50	1.4719	0.8609	1.1930	0.5333	0.8954	1.8148	0.5476	2.1627	2.4964	0.7551
55	1.5551	0.8595	1.1536	0.5252	0.8972	1.8374	0.5392	2.1194	2.4724	0.6169
60	1.6400	0.8581	1.1135	0.5160	0.8991	1.8592	0.5306	2.0814	2.4526	0.5096
65	1.7258	0.8568	1.0728	0.5055	0.9009	1.8803	0.5220	2.0477	2.4360	0.4248
70	1.8115	0.8555	1.0313	0.4938	0.9028	1.9006	0.5133	2.0177	2.4220	0.3569
75	1.8961	0.8543	0.9892	0.4810	0.9046	1.9202	0.5046	1.9908	2.4102	0.3018
80	1.9788	0.8531	0.9465	0.4669	0.9064	1.9391	0.4960	1.9665	2.4001	0.2567
85	2.0588	0.8520	0.9031	0.4518	0.9082	1.9572	0.4874	1.9445	2.3915	0.2194
90	2.1352	0.8509	0.8592	0.4354	0.9100	1.9747	0.4791	1.9245	2.3842	0.1883
95	2.2073	0.8498	0.8147	0.4180	0.9117	1.9915	0.4709	1.9062	2.3778	0.1624
100	2.2742	0.8488	0.7696	0.3995	0.9135	2.0078	0.4630	1.8895	2.3723	0.1405
105	2.3355	0.8479	0.7241	0.3800	0.9152	2.0231	0.4553	1.8741	2.3676	0.1220
110	2.3905	0.8470	0.6780	0.3595	0.9169	2.0380	0.4480	1.8600	2.3635	0.1063
115	2.4386	0.8462	0.6315	0.3380	0.9185	2.0523	0.4410	1.8470	2.3599	0.0930
120	2.4793	0.8455	0.5846	0.3156	0.9202	2.0659	0.4344	1.8350	2.3568	0.0817
125	2.5123	0.8448	0.5373	0.2924	0.9218	2.0790	0.4282	1.8239	2.3541	0.0721
130	2.5372	0.8441	0.4897	0.2684	0.9233	2.0915	0.4225	1.8136	2.3517	0.0639
135	2.5537	0.8435	0.4416	0.2437	0.9249	2.1035	0.4172	1.8041	2.3497	0.0570
140	2.5617	0.8430	0.3933	0.2184	0.9264	2.1150	0.4124	1.7952	2.3479	0.0512
145	2.5612	0.8426	0.3448	0.1924	0.9279	2.1260	0.4082	1.7870	2.3463	0.0463
150	2.5521	0.8422	0.2960	0.1659	0.9293	2.1364	0.4045	1.7794	2.3449	0.0423
155	2.5345	0.8418	0.2469	0.1390	0.9307	2.1465	0.4013	1.7722	2.3437	0.0390
160	2.5088	0.8415	0.1978	0.1116	0.9321	2.1560	0.3987	1.7655	2.3426	0.0364
165	2.4752	0.8413	0.1484	0.0840	0.9334	2.1651	0.3966	1.7594	2.3417	0.0344
170	2.4341	0.8412	0.0990	0.0561	0.9347	2.1738	0.3952	1.7536	2.3409	0.0330
175	2.3863	0.8411	0.0495	0.0281	0.9360	2.1821	0.3948	1.7482	2.3401	0.0322
180	2.3323	0.8410	0.	0.	0.9372	2.1900	0.3940	1.7431	2.3395	0.0319

GAMMA = 0.2000

ALPHA = 11.000

K = 0.300

DC = 1.8934

XD = 1.4994

BO = 2.1213035

V2 = -0.2182E 01

THEYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8825	1.4282	0.4826	0.8825	1.4282	0.5082			
5	0.9891	0.8802	1.3996	0.4661	0.8848	1.4567	0.5029	3.1233	3.4356	30.8860
10	1.0027	0.8779	1.3701	0.4487	0.8872	1.4832	0.4992	2.18483	2.9698	10.4491
15	1.0319	0.8757	1.3399	0.4305	0.8895	1.5095	0.4937	2.5826	2.8183	5.4815
20	1.0735	0.8736	1.3088	0.4113	0.8920	1.5349	0.4877	2.6220	2.6779	3.3626
25	1.1253	0.8715	1.2770	0.4712	0.8944	1.5598	0.4812	2.2890	2.4022	2.2893
30	1.1858	0.8694	1.2445	0.4701	0.8969	1.5835	0.4749	2.1946	2.4128	1.6541
35	1.2534	0.8674	1.2111	0.4679	0.8993	1.6066	0.4670	2.1190	2.3803	1.2447
40	1.3271	0.8654	1.1770	0.4648	0.9018	1.6289	0.4594	2.0566	2.3195	0.9646
45	1.4054	0.8635	1.1422	0.4606	0.9043	1.6505	0.4515	2.0041	2.2669	0.7644
50	1.4875	0.8616	1.1067	0.4553	0.9069	1.6713	0.4435	1.9590	2.2306	0.6162
55	1.5721	0.8598	1.0704	0.4490	0.9094	1.6914	0.4351	1.9199	2.2090	0.5037
60	1.6581	0.8581	1.0334	0.4416	0.9119	1.7107	0.4267	1.8856	2.2211	0.4164
65	1.7446	0.8564	0.9958	0.4331	0.9145	1.7293	0.4182	1.8552	2.2061	0.3475
70	1.8306	0.8547	0.9575	0.4235	0.9170	1.7471	0.4097	1.8280	2.1935	0.2923
75	1.9150	0.8532	0.9186	0.4129	0.9195	1.7643	0.4012	1.8036	2.1828	0.2475
80	1.9969	0.8517	0.8791	0.4012	0.9220	1.7808	0.3928	1.7816	2.1737	0.2109
85	2.0754	0.8503	0.8390	0.3885	0.9246	1.7967	0.3846	1.7617	2.1659	0.1806
90	2.1497	0.8489	0.7983	0.3747	0.9271	1.8119	0.3765	1.7435	2.1592	0.1554
95	2.2189	0.8476	0.7571	0.3600	0.9295	1.8264	0.3686	1.7269	2.1534	0.1343
100	2.2822	0.8464	0.7153	0.3443	0.9320	1.8403	0.3609	1.7116	2.1484	0.1166
105	2.3390	0.8452	0.6731	0.3277	0.9345	1.8538	0.3536	1.6976	2.1441	0.1016
110	2.3886	0.8441	0.6304	0.3101	0.9369	1.8666	0.3465	1.6847	2.1403	0.0888
115	2.4305	0.8431	0.5872	0.2918	0.9393	1.8788	0.3398	1.6728	2.1371	0.0780
120	2.4630	0.8422	0.5437	0.2722	0.9416	1.8902	0.3332	1.6617	2.1342	0.0688
125	2.4881	0.8413	0.4997	0.2527	0.9440	1.9013	0.3274	1.6515	2.1317	0.0610
130	2.5042	0.8405	0.4554	0.2320	0.9463	1.9120	0.3219	1.6420	2.1295	0.0544
135	2.5110	0.8398	0.4108	0.2107	0.9485	1.9221	0.3169	1.6332	2.1276	0.0487
140	2.5084	0.8391	0.3659	0.1889	0.9508	1.9317	0.3124	1.6250	2.1259	0.0440
145	2.4965	0.8386	0.3207	0.1664	0.9530	1.9409	0.3084	1.6173	2.1244	0.0400
150	2.4751	0.8381	0.2754	0.1436	0.9551	1.9497	0.3049	1.6102	2.1231	0.0367
155	2.4446	0.8376	0.2298	0.1203	0.9573	1.9580	0.3019	1.6035	2.1219	0.0340
160	2.4051	0.8373	0.1840	0.0966	0.9593	1.9659	0.2994	1.5972	2.1209	0.0319
165	2.3571	0.8370	0.1381	0.0727	0.9614	1.9735	0.2975	1.5914	2.1200	0.0303
170	2.3011	0.8368	0.0921	0.0486	0.9634	1.9807	0.2961	1.5859	2.1192	0.0292
175	2.2378	0.8367	0.0461	0.0243	0.9653	1.9875	0.2952	1.5808	2.1185	0.0285
180	2.1678	0.8367	0.	0.	0.9672	1.9940	0.2950	1.5760	2.1179	0.0283

GAMMA = 0.2000

ALPHA = 11.000

K = 0.400

DC = 1.9886

XD = 1.3676

BD = 1.965267

WZ = -0.2730E 01

THEYA	S#	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8867	1.3544	0.4106	0.8867	1.3544	0.4447			
5	0.9896	0.8839	1.3275	0.4143	0.8895	1.3804	0.4403	3.1422	3.1993	26.7474
10	1.0040	0.8812	1.2999	0.4173	0.8924	1.4057	0.4353	2.6530	2.7476	9.0481
15	1.0343	0.8785	1.2715	0.4194	0.8953	1.4302	0.4297	2.14062	2.5325	4.7028
20	1.0772	0.8759	1.2423	0.4207	0.8983	1.4539	0.4236	2.2477	2.4021	2.9112
25	1.1305	0.8734	1.2124	0.4211	0.9013	1.4769	0.4170	2.1333	2.3132	1.9821
30	1.1926	0.8709	1.1817	0.4206	0.9043	1.4992	0.4101	2.0456	2.2487	1.4325
35	1.2619	0.8685	1.1503	0.4192	0.9074	1.5205	0.4027	1.9753	2.2000	1.0785
40	1.3372	0.8661	1.1181	0.4168	0.9105	1.5411	0.3951	1.9173	2.1620	0.8364
45	1.4173	0.8639	1.0852	0.4134	0.9137	1.5610	0.3872	1.8684	2.1317	0.6634
50	1.5008	0.8617	1.0516	0.4091	0.9168	1.5801	0.3791	1.8264	2.1072	0.5355
55	1.5868	0.8595	1.0173	0.4037	0.9200	1.5988	0.3709	1.7900	2.0871	0.4385
60	1.6739	0.8575	0.9824	0.3974	0.9233	1.6163	0.3625	1.7579	2.0704	0.3633
65	1.7612	0.8555	0.9467	0.3900	0.9265	1.6332	0.3541	1.7295	2.0564	0.3039
70	1.8476	0.8536	0.9105	0.3816	0.9297	1.6495	0.3457	1.7040	2.0445	0.2564
75	1.9319	0.8517	0.8736	0.3723	0.9330	1.6652	0.3374	1.6811	2.0345	0.2179
80	2.0132	0.8500	0.8361	0.3620	0.9363	1.6801	0.3291	1.6604	2.0259	0.1863
85	2.0906	0.8483	0.7986	0.3507	0.9395	1.6944	0.3209	1.6416	2.0185	0.1603
90	2.1631	0.8467	0.7594	0.3384	0.9428	1.7081	0.3130	1.6244	2.0121	0.1386
95	2.2291	0.8452	0.7203	0.3253	0.9460	1.7212	0.3052	1.6086	2.0066	0.1205
100	2.2901	0.8438	0.6806	0.3112	0.9493	1.7337	0.2977	1.5941	2.0018	0.1052
105	2.3430	0.8425	0.6405	0.2963	0.9526	1.7456	0.2905	1.5807	1.9977	0.0923
110	2.3881	0.8412	0.5999	0.2805	0.9558	1.7569	0.2836	1.5683	1.9940	0.0814
115	2.4246	0.8400	0.5589	0.2640	0.9590	1.7677	0.2770	1.5568	1.9908	0.0721
120	2.4521	0.8389	0.5174	0.2467	0.9622	1.7780	0.2708	1.5462	1.9880	0.0641
125	2.4703	0.8379	0.4757	0.2288	0.9654	1.7878	0.2651	1.5362	1.9855	0.0574
130	2.4787	0.8370	0.4335	0.2101	0.9685	1.7971	0.2597	1.5270	1.9833	0.0516
135	2.4771	0.8362	0.3911	0.1909	0.9717	1.8059	0.2548	1.5183	1.9814	0.0467
140	2.4654	0.8354	0.3483	0.1711	0.9748	1.8143	0.2504	1.5102	1.9797	0.0426
145	2.4436	0.8348	0.3054	0.1508	0.9778	1.8223	0.2464	1.5026	1.9782	0.0392
150	2.4118	0.8342	0.2621	0.1301	0.9809	1.8298	0.2430	1.4955	1.9768	0.0363
155	2.3706	0.8337	0.2188	0.1090	0.9839	1.8370	0.2401	1.4888	1.9756	0.0340
160	2.3195	0.8333	0.1752	0.0876	0.9868	1.8438	0.2377	1.4825	1.9746	0.0321
165	2.2594	0.8330	0.1315	0.0659	0.9898	1.8502	0.2358	1.4766	1.9736	0.0307
170	2.1909	0.8328	0.0877	0.0440	0.9926	1.8563	0.2345	1.4710	1.9728	0.0297
175	2.1146	0.8326	0.0439	0.0221	0.9955	1.8621	0.2336	1.4657	1.9720	0.0291
180	2.0314	0.8326	0.	0.	0.9983	1.8676	0.2334	1.4608	1.9713	0.0289

GAMMA = 0.2000

ALPHA = 11.000

K = 0.500

DC = 2.0632

XR = 1.2071

BR = 1.847812

TR = 9.52

CR = 6.4493

QR = 0.5553E 05

THEYA	S#	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8901	1.3019	0.3759	0.8901	1.3019	0.4076			
5	0.9899	0.8869	1.2763	0.3798	0.8934	1.3267	0.3863	2.9735	3.0275	23.9283
10	1.0046	0.8837	1.2500	0.3829	0.8968	1.3508	0.3809	2.5113	2.6007	8.0965
15	1.0352	0.8807	1.2229	0.3853	0.9002	1.3740	0.3752	2.2782	2.3977	4.2097
20	1.0786	0.8777	1.1950	0.3868	0.9037	1.3965	0.3692	2.1282	2.2742	2.6074
25	1.1325	0.8747	1.1664	0.3875	0.9073	1.4183	0.3628	2.0202	2.1903	1.7766
30	1.1953	0.8719	1.1370	0.3874	0.9109	1.4392	0.3561	1.9372	2.1294	1.2854
35	1.2655	0.8694	1.1069	0.3864	0.9145	1.4595	0.3491	1.8707	2.0833	0.9693
40	1.3418	0.8664	1.0761	0.3844	0.9183	1.4789	0.3417	1.8158	2.0473	0.7532
45	1.4229	0.8639	1.0446	0.3816	0.9221	1.4977	0.3342	1.7695	2.0186	0.5990
50	1.5075	0.8613	1.0123	0.3778	0.9259	1.5157	0.3264	1.7296	1.9954	0.4851
55	1.5943	0.8589	0.9794	0.3730	0.9298	1.5330	0.3185	1.6950	1.9762	0.3987
60	1.6823	0.8566	0.9459	0.3674	0.9337	1.5495	0.3105	1.6644	1.9603	0.3318
65	1.7702	0.8544	0.9117	0.3607	0.9376	1.5654	0.3024	1.6372	1.9469	0.2790
70	1.8568	0.8522	0.8768	0.3532	0.9416	1.5806	0.2943	1.6128	1.9355	0.2368
75	1.9411	0.8501	0.8414	0.3447	0.9456	1.5952	0.2863	1.5908	1.9258	0.2026
80	2.0220	0.8482	0.8053	0.3352	0.9497	1.6090	0.2783	1.5708	1.9175	0.1746
85	2.0985	0.8463	0.7687	0.3249	0.9538	1.6223	0.2705	1.5525	1.9103	0.1515
90	2.1697	0.8445	0.7316	0.3136	0.9579	1.6349	0.2629	1.5368	1.9040	0.1323
95	2.2347	0.8428	0.6939	0.3015	0.9620	1.6470	0.2554	1.5204	1.8986	0.1162
100	2.2925	0.8412	0.6557	0.2886	0.9662	1.6584	0.2482	1.5061	1.8938	0.1026
105	2.3425	0.8397	0.6171	0.2748	0.9703	1.6693	0.2413	1.4929	1.8896	0.0911
110	2.3841	0.8383	0.5780	0.2603	0.9745	1.6797	0.2347	1.4806	1.8859	0.0814
115	2.4165	0.8370	0.5385	0.2450	0.9787	1.6895	0.2284	1.4691	1.8826	0.0731
120	2.4393	0.8358	0.4986	0.2290	0.9829	1.6989	0.2225	1.4584	1.8797	0.0661
125	2.4520	0.8346	0.4584	0.2123	0.9871	1.7077	0.2169	1.4483	1.8771	0.0601
130	2.4544	0.8336	0.4178	0.1951	0.9913	1.7161	0.2118	1.4388	1.8748	0.0550
135	2.4463	0.8327	0.3769	0.1772	0.9955	1.7240	0.2071	1.4299	1.8727	0.0506
140	2.4274	0.8319	0.3357	0.1589	0.9997	1.7315	0.2029	1.4214	1.8709	0.0469
145	2.3978	0.8311	0.2943	0.1401	1.0039	1.7386	0.1991	1.4135	1.8692	0.0439
150	2.3576	0.8305	0.2527	0.1208	1.0081	1.7453	0.1958	1.4059	1.8677	0.0413
155	2.3070	0.8300	0.2108	0.1012	1.0122	1.7516	0.1930	1.3988	1.8663	0.0392
160	2.2465	0.8295	0.1689	0.0814	1.0164	1.7576	0.1907	1.3919	1.8651	0.0376
165	2.1764	0.8292	0.1268	0.0612	1.0206	1.7632	0.1889	1.3854	1.8640	0.0363
170	2.0974	0.8289	0.0846	0.0409	1.0247	1.7686	0.1876	1.3793	1.8629	0.0354
175	2.0102	0.8288	0.0423	0.0205	1.0288	1.7736	0.1868	1.3733	1.8620	0.0349
180	1.9158	0.8287	0.	0.	1.0329	1.7783	0.1865	1.3677	1.8612	0.0347

GAMMA = 0.2000

ALPHA = 11.000

K = 0.600

DC = 2.1245 XR = 1.1775 BR = 1.751599 TR = 138.74 CR = 3.8617 QR = 0.1950E 04

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8930	1.2622	0.3511	0.8930	1.2622	0.3511			
5	0.9897	0.8893	1.2375	0.3550	0.8967	1.2860	0.3466	2.8426	2.8941	21.8371
10	1.0042	0.8858	1.2121	0.3582	0.9006	1.3092	0.3414	2.4012	2.4867	7.3856
15	1.0347	0.8823	1.1859	0.3607	0.9045	1.3316	0.3357	2.1785	2.2927	3.8382
20	1.0779	0.8790	1.1590	0.3623	0.9085	1.3532	0.3294	2.0355	2.1750	2.3765
25	1.1316	0.8757	1.1314	0.3632	0.9126	1.3741	0.3226	1.9323	2.0949	1.6191
30	1.1941	0.8725	1.1030	0.3633	0.9168	1.3942	0.3154	1.8530	2.0367	1.1716
35	1.2639	0.8694	1.0739	0.3625	0.9210	1.4135	0.3078	1.7894	1.9926	0.8838
40	1.3394	0.8664	1.0441	0.3609	0.9254	1.4322	0.2998	1.7368	1.9581	0.6873
45	1.4192	0.8636	1.0135	0.3584	0.9298	1.4501	0.2916	1.6923	1.9306	0.5471
50	1.5020	0.8608	0.9824	0.3549	0.9343	1.4673	0.2830	1.6540	1.9082	0.4437
55	1.5863	0.8581	0.9505	0.3506	0.9389	1.4838	0.2743	1.6205	1.8897	0.3653
60	1.6708	0.8555	0.9180	0.3454	0.9435	1.4995	0.2654	1.5909	1.8742	0.3046
65	1.7542	0.8531	0.8848	0.3393	0.9482	1.5146	0.2563	1.5645	1.8611	0.2567
70	1.8353	0.8507	0.8511	0.3323	0.9530	1.5291	0.2472	1.5407	1.8500	0.2184
75	1.9126	0.8484	0.8167	0.3244	0.9579	1.5429	0.2381	1.5192	1.8404	0.1873
80	1.9851	0.8463	0.7817	0.3156	0.9628	1.5560	0.2289	1.4995	1.8321	0.1619
85	2.0515	0.8442	0.7462	0.3059	0.9678	1.5686	0.2198	1.4814	1.8249	0.1409
90	2.1108	0.8422	0.7102	0.2954	0.9729	1.5805	0.2108	1.4648	1.8186	0.1233
95	2.1617	0.8404	0.6737	0.2840	0.9780	1.5918	0.2018	1.4493	1.8130	0.1086
100	2.2034	0.8386	0.6366	0.2715	0.9832	1.6026	0.1930	1.4349	1.8081	0.0961
105	2.2349	0.8370	0.5992	0.2589	0.9885	1.6129	0.1844	1.4214	1.8037	0.0856
110	2.2553	0.8356	0.5612	0.2453	0.9939	1.6226	0.1759	1.4087	1.7998	0.0766
115	2.2637	0.8340	0.5229	0.2309	0.9993	1.6318	0.1676	1.3968	1.7963	0.0688
120	2.2595	0.8327	0.4842	0.2158	1.0047	1.6405	0.1596	1.3855	1.7931	0.0622
125	2.2419	0.8315	0.4451	0.2002	1.0103	1.6488	0.1518	1.3748	1.7902	0.0564
130	2.2105	0.8304	0.4057	0.1839	1.0159	1.6566	0.1443	1.3645	1.7876	0.0515
135	2.1647	0.8294	0.3660	0.1671	1.0216	1.6640	0.1371	1.3547	1.7852	0.0472
140	2.1042	0.8285	0.3260	0.1498	1.0274	1.6710	0.1301	1.3454	1.7830	0.0435
145	2.0834	0.8277	0.2858	0.1321	1.0333	1.6776	0.1212	1.3363	1.7809	0.0418
150	2.0774	0.8270	0.2454	0.1139	1.0392	1.6838	0.1147	1.3276	1.7790	0.0762
155	2.0524	0.8264	0.2047	0.0955	1.0453	1.6897	0.1080	1.3191	1.7772	0.0684
160	2.0503	0.8259	0.1640	0.0767	1.0515	1.6953	0.1005	1.3108	1.7756	0.0637
165	2.0554	0.8256	0.1231	0.0577	1.0579	1.7006	0.1767	1.3027	1.7740	0.0605
170	2.0622	0.8253	0.0821	0.0386	1.0643	1.7056	0.1742	1.2947	1.7724	0.0585
175	2.0689	0.8251	0.0411	0.0193	1.0710	1.7103	0.1728	1.2867	1.7710	0.0574
180	2.1757	0.8251	0.	0.	1.0779	1.7148	0.1723	1.2788	1.7696	0.0570

GAMMA = 0.2000

ALPHA = 11.000

K = 0.800

DC = 2.2219 XR = 1.1511 BR = 1.617348 TR = 139.79 CR = 2.4398 QR = 0.2684E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8976	1.2051	0.3184	0.8976	1.2051	0.3184			
5	0.9911	0.8932	1.1817	0.3221	0.9022	1.2278	0.3140	2.6478	2.6958	18.9109
10	1.0082	0.8889	1.1575	0.3252	0.9069	1.2497	0.3092	2.2374	2.3169	6.3958
15	1.0424	0.8847	1.1326	0.3276	0.9118	1.2710	0.3037	2.0308	2.1371	3.3251
20	1.0905	0.8807	1.1070	0.3293	0.9168	1.2914	0.2979	1.8975	2.0274	2.0611
25	1.1502	0.8768	1.0807	0.3303	0.9219	1.3112	0.2915	1.8014	1.9528	1.4071
30	1.2198	0.8730	1.0537	0.3305	0.9272	1.3303	0.2849	1.7273	1.8984	1.0214
35	1.2976	0.8693	1.0260	0.3300	0.9327	1.3486	0.2778	1.6677	1.8571	0.7740
40	1.3820	0.8658	0.9976	0.3286	0.9383	1.3662	0.2705	1.6183	1.8247	0.6054
45	1.4716	0.8625	0.9685	0.3265	0.9440	1.3832	0.2630	1.5762	1.7985	0.4855
50	1.5650	0.8592	0.9387	0.3235	0.9500	1.3994	0.2553	1.5396	1.7771	0.3973
55	1.6607	0.8561	0.9083	0.3197	0.9561	1.4150	0.2474	1.5075	1.7592	0.3306
60	1.7674	0.8531	0.8773	0.3150	0.9624	1.4299	0.2395	1.4788	1.7441	0.2793
65	1.8540	0.8502	0.8457	0.3095	0.9689	1.4442	0.2316	1.4530	1.7311	0.2390
70	1.9492	0.8475	0.8134	0.3032	0.9756	1.4579	0.2237	1.4294	1.7198	0.2070
75	2.0421	0.8449	0.7806	0.2960	0.9825	1.4710	0.2159	1.4077	1.7100	0.1813
80	2.1318	0.8424	0.7473	0.2881	0.9896	1.4835	0.2082	1.3875	1.7013	0.1606
85	2.2177	0.8400	0.7134	0.2793	0.9971	1.4955	0.2009	1.3687	1.6934	0.1438
90	2.2993	0.8378	0.6789	0.2697	1.0048	1.5070	0.1938	1.3508	1.6864	0.1303
95	2.3766	0.8357	0.6440	0.2594	1.0128	1.5180	0.1871	1.3339	1.6799	0.1194
100	2.4501	0.8337	0.6086	0.2484	1.0213	1.5285	0.1810	1.3175	1.6739	0.1109
105	2.5214	0.8318	0.5728	0.2366	1.0302	1.5387	0.1757	1.3017	1.6683	0.1045
110	2.5933	0.8300	0.5366	0.2241	1.0397	1.5485	0.1713	1.2861	1.6630	0.1002
115	2.6716	0.8284	0.4999	0.2110	1.0498	1.5580	0.1684	1.2705	1.6578	0.0983
120	2.7678	0.8269	0.4629	0.1973	1.0610	1.5674	0.1678	1.2546	1.6526	0.0993
125	2.9073	0.8255	0.4256	0.1829	1.0735	1.5768	0.1710	1.2380	1.6472	0.1047
130	3.1600	0.8243	0.3879	0.1681	1.0881	1.5865	0.1829	1.2198	1.6413	0.1191
135	3.8165	0.8231	0.3499	0.1527	1.1071	1.5973	0.2223	1.1977	1.6341	0.1614
140	1.0288	0.8221	0.3117	0.1369						
145	0.9560	0.8212	0.2733	0.1207						
150	0.8679	0.8204	0.2346	0.1042						
155	0.7639	0.8198	0.1958	0.0873						
160	0.6438	0.8192	0.1568	0.0701						
165	0.5075	0.8188	0.1177	0.0528						
170	0.3547	0.8185	0.0785	0.0353						
175	0.1855	0.8183	0.0393	0.0177						
180	0.	0.8183	0.	0.						

GAMMA = 0.2000 ALPHA = 11.000 K = 1.000

DC = 2.2978 XR = 1.1375 BR = 1.526708 TR = 105.56 CR = 1.8424 QR = 0.1139E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9012	1.1656	0.2983	0.9012	1.1656	0.2983			
5	0.9926	0.8960	1.1429	0.3017	0.9065	1.1876	0.2944	2.5063	2.5517	16.9140
10	1.0127	0.8910	1.1195	0.3045	0.9121	1.2089	0.2900	2.1183	2.1936	5.7215
15	1.0513	0.8862	1.0954	0.3067	0.9178	1.2295	0.2852	1.9232	2.0237	2.9772
20	1.1054	0.8816	1.0707	0.3082	0.9238	1.2494	0.2800	1.7970	1.9200	1.8493
25	1.1728	0.8771	1.0452	0.3091	0.9300	1.2686	0.2745	1.7058	1.8491	1.2668
30	1.2516	0.8728	1.0191	0.3093	0.9365	1.2871	0.2687	1.6353	1.7973	0.9243
35	1.3403	0.8687	0.9922	0.3088	0.9432	1.3050	0.2627	1.5782	1.7577	0.7051
40	1.4372	0.8647	0.9647	0.3075	0.9502	1.3223	0.2566	1.5305	1.7263	0.5564
45	1.5413	0.8609	0.9366	0.3054	0.9574	1.3389	0.2504	1.4896	1.7008	0.4512
50	1.6515	0.8573	0.9078	0.3026	0.9650	1.3549	0.2443	1.4537	1.6796	0.3743
55	1.7669	0.8538	0.8784	0.2990	0.9730	1.3704	0.2383	1.4218	1.6616	0.3170
60	1.8871	0.8504	0.8484	0.2947	0.9814	1.3853	0.2327	1.3929	1.6461	0.2734
65	2.0123	0.8472	0.8178	0.2895	0.9902	1.3997	0.2275	1.3663	1.6325	0.2403
70	2.1434	0.8442	0.7866	0.2836	0.9996	1.4137	0.2231	1.3415	1.6203	0.2151
75	2.2831	0.8413	0.7549	0.2769	1.0097	1.4273	0.2198	1.3180	1.6092	0.1966
80	2.4363	0.8385	0.7226	0.2694	1.0206	1.4406	0.2181	1.2953	1.5989	0.1839
85	2.6139	0.8359	0.6898	0.2612	1.0325	1.4538	0.2193	1.2730	1.5890	0.1773
90	2.8393	0.8334	0.6565	0.2523	1.0460	1.4670	0.2254	1.2505	1.5792	0.1781
95	3.1747	0.8311	0.6228	0.2426	1.0619	1.4808	0.2421	1.2267	1.5691	0.1915
100	3.8568	0.8289	0.5886	0.2323	1.0823	1.4961	0.2904	1.1994	1.5574	0.2380
105	1.2070	0.8268	0.5539	0.2212						
110	1.2260	0.8249	0.5189	0.2096						
115	1.2338	0.8231	0.4834	0.1973						
120	1.2295	0.8215	0.4476	0.1845						
125	1.2123	0.8200	0.4115	0.1711						
130	1.1813	0.8186	0.3751	0.1572						
135	1.1360	0.8173	0.3384	0.1428						
140	1.0755	0.8162	0.3014	0.1280						
145	0.9994	0.8152	0.2642	0.1129						
150	0.9072	0.8144	0.2268	0.0974						
155	0.7985	0.8137	0.1893	0.0816						
160	0.6730	0.8131	0.1516	0.0656						
165	0.5365	0.8126	0.1138	0.0494						
170	0.3708	0.8123	0.0759	0.0330						
175	0.1939	0.8121	0.0380	0.0165						
180	0.	0.8120	0.	0.						

GAMMA = 0.2000 ALPHA = 11.000 K = 1.200

DC = 2.3603 XR = 1.1289 BR = 1.465781 TR = 85.62 CR = 1.4944 QR = 0.6803E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9040	1.1364	0.2855	0.9040	1.1364	0.2855			
5	0.9943	0.8981	1.1141	0.2883	0.9101	1.1580	0.2822	2.3965	2.4398	1.4405
10	1.0178	0.8925	1.0912	0.2907	0.9165	1.1789	0.2786	2.0260	2.0979	0.2251
15	1.0617	0.8871	1.0676	0.2925	0.9231	1.1992	0.2746	1.8396	1.9356	0.7231
20	1.1232	0.8819	1.0434	0.2938	0.9301	1.2189	0.2704	1.7187	1.8363	0.6966
25	1.2000	0.8770	1.0185	0.2944	0.9374	1.2379	0.2660	1.6311	1.7682	0.6179
30	1.2906	0.8722	0.9929	0.2944	0.9451	1.2564	0.2616	1.5629	1.7181	0.5850
35	1.3937	0.8677	0.9667	0.2938	0.9532	1.2743	0.2573	1.5074	1.6794	0.5607
40	1.5084	0.8633	0.9399	0.2924	0.9617	1.2917	0.2532	1.4605	1.6485	0.5278
45	1.6346	0.8591	0.9124	0.2904	0.9707	1.3085	0.2496	1.4199	1.6229	0.4949
50	1.7730	0.8551	0.8844	0.2876	0.9804	1.3250	0.2468	1.3837	1.6013	0.4684
55	1.9257	0.8513	0.8557	0.2842	0.9908	1.3411	0.2451	1.3509	1.5825	0.4407
60	2.0976	0.8477	0.8264	0.2799	1.0022	1.3569	0.2455	1.3203	1.5657	0.4172
65	2.2990	0.8442	0.7966	0.2750	1.0147	1.3727	0.2490	1.2912	1.5503	0.3958
70	2.5530	0.8409	0.7662	0.2693	1.0290	1.3887	0.2586	1.2627	1.5355	0.3769
75	2.9203	0.8377	0.7352	0.2629	1.0458	1.4055	0.2808	1.2333	1.5207	0.3598
80	3.6323	0.8347	0.7038	0.2558	1.0677	1.4243	0.3414	1.2006	1.5043	0.3468
85	1.0792	0.8319	0.6718	0.2479						
90	1.1354	0.8292	0.6394	0.2394						
95	1.1840	0.8267	0.6065	0.2302						
100	1.2239	0.8244	0.5731	0.2204						
105	1.2542	0.8222	0.5394	0.2099						
110	1.2738	0.8201	0.5052	0.1988						
115	1.2818	0.8182	0.4707	0.1871						
120	1.2772	0.8164	0.4358	0.1749						
125	1.2592	0.8148	0.4007	0.1622						
130	1.2270	0.8133	0.3652	0.1490						
135	1.1798	0.8120	0.3294	0.1354						
140	1.1169	0.8108	0.2934	0.1214						
145	1.0379	0.8097	0.2572	0.1070						
150	0.9421	0.8088	0.2209	0.0923						
155	0.8292	0.8081	0.1843	0.0774						
160	0.6988	0.8074	0.1476	0.0622						
165	0.5508	0.8069	0.1108	0.0468						
170	0.3849	0.8066	0.0739	0.0313						
175	0.2013	0.8064	0.0370	0.0157						
180	0.	0.8063	0.	0.						

GAMMA = 0.2000

ALPHA = 11.000

K = 1.400

DC = 2.4134 XR = 1.1229 BR = 1.418740 TR = 72.33 CR = 1.2623 QR = 0.4753E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9063	1.1138	0.2772	0.9063	1.1138	0.2772			
5	0.9961	0.8998	1.0918	0.2794	0.9131	1.1352	0.2747	2.3073	2.3490	14.2959
10	1.0233	0.8936	1.0691	0.2812	0.9203	1.1560	0.2720	1.9515	2.0207	4.8408
15	1.0735	0.8876	1.0459	0.2826	0.9279	1.1763	0.2691	1.7716	1.8641	2.5284
20	1.1438	0.8820	1.0220	0.2834	0.9358	1.1960	0.2663	1.6550	1.7682	1.5818
25	1.2322	0.8766	0.9975	0.2838	0.9443	1.2152	0.2636	1.5699	1.7020	1.0958
30	1.3379	0.8714	0.9723	0.2835	0.9533	1.2339	0.2613	1.5033	1.6530	0.8123
35	1.4604	0.8664	0.9466	0.2827	0.9629	1.2521	0.2597	1.4485	1.6147	0.6333
40	1.6011	0.8617	0.9202	0.2812	0.9733	1.2701	0.2591	1.4018	1.5836	0.5145
45	1.7631	0.8572	0.8932	0.2791	0.9846	1.2878	0.2605	1.3605	1.5574	0.4340
50	1.9541	0.8529	0.8657	0.2763	0.9971	1.3054	0.2648	1.3229	1.5346	0.3801
55	2.1926	0.8488	0.8375	0.2728	1.0112	1.3233	0.2746	1.2875	1.5138	0.3478
60	2.5139	0.8449	0.8088	0.2687	1.0277	1.3419	0.2953	1.2529	1.4941	0.3376
65	3.0579	0.8412	0.7796	0.2638	1.0484	1.3623	0.3445	1.2166	1.4737	0.3642
70	4.7405	0.8376	0.7498	0.2583	1.0797	1.3885	0.5438	1.1717	1.4483	0.5471
75	0.9822	0.8343	0.7195	0.2521						
80	1.0525	0.8311	0.6886	0.2452						
85	1.1171	0.8281	0.6573	0.2376						
90	1.1750	0.8252	0.6255	0.2294						
95	1.2250	0.8226	0.5933	0.2205						
100	1.2661	0.8201	0.5607	0.2110						
105	1.2972	0.8177	0.5276	0.2010						
110	1.3173	0.8155	0.4942	0.1903						
115	1.3254	0.8135	0.4604	0.1791						
120	1.3205	0.8116	0.4263	0.1674						
125	1.3017	0.8099	0.3919	0.1553						
130	1.2682	0.8084	0.3572	0.1426						
135	1.2193	0.8070	0.3222	0.1296						
140	1.1543	0.8057	0.2870	0.1161						
145	1.0725	0.8046	0.2516	0.1024						
150	0.9735	0.8036	0.2160	0.0883						
155	0.8567	0.8028	0.1802	0.0740						
160	0.7220	0.8022	0.1444	0.0595						
165	0.5690	0.8017	0.1084	0.0448						
170	0.3977	0.8013	0.0723	0.0299						
175	0.2080	0.8011	0.0362	0.0150						
180	0.	0.8010	0.	0.						

GAMMA = 0.2000

ALPHA = 11.000

K = 1.600

DC = 2.4596 XR = 1.1185 BR = 1.382210 TR = 62.74 CR = 1.0950 QR = 0.3625E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9082	1.0958	0.2720	0.9082	1.0958	0.2720			
5	0.9980	0.9011	1.0738	0.2734	0.9157	1.1171	0.2704	2.2331	2.2734	13.3734
10	1.0236	0.8943	1.0513	0.2745	0.9237	1.1380	0.2688	1.8885	1.9555	4.5333
15	1.0869	0.8879	1.0282	0.2754	0.9322	1.1584	0.2674	1.7148	1.8043	2.3744
20	1.1675	0.8817	1.0046	0.2758	0.9412	1.1783	0.2663	1.6013	1.7109	1.4931
25	1.2701	0.8759	0.9803	0.2757	0.9509	1.1978	0.2659	1.5181	1.6462	1.0425
30	1.3949	0.8703	0.9555	0.2752	0.9614	1.2171	0.2667	1.4524	1.5977	0.7817
35	1.5445	0.8650	0.9301	0.2741	0.9728	1.2361	0.2694	1.3977	1.5593	0.6194
40	1.7251	0.8600	0.9040	0.2725	0.9855	1.2552	0.2753	1.3502	1.5274	0.5155
45	1.9515	0.8552	0.8775	0.2702	0.9998	1.2745	0.2868	1.3072	1.4997	0.4510
50	2.2663	0.8506	0.8503	0.2674	1.0166	1.2947	0.3096	1.2664	1.4744	0.4199
55	2.7665	0.8462	0.8226	0.2639	1.0376	1.3169	0.3612	1.2251	1.4492	0.4325
60	4.1755	0.8421	0.7943	0.2597	1.0688	1.3450	0.5490	1.1766	1.4197	0.5920
65	0.8568	0.8382	0.7655	0.2549						
70	0.9371	0.8344	0.7362	0.2495						
75	1.0138	0.8309	0.7064	0.2434						
80	1.0860	0.8275	0.6761	0.2366						
85	1.1523	0.8244	0.6453	0.2293						
90	1.2117	0.8214	0.6141	0.2213						
95	1.2630	0.8186	0.5824	0.2127						
100	1.3051	0.8160	0.5503	0.2035						
105	1.3369	0.8135	0.5179	0.1937						
110	1.3574	0.8112	0.4851	0.1834						
115	1.3654	0.8091	0.4519	0.1726						
120	1.3602	0.8071	0.4184	0.1613						
125	1.3467	0.8054	0.3846	0.1496						
130	1.3060	0.8037	0.3505	0.1374						
135	1.2555	0.8023	0.3162	0.1248						
140	1.1884	0.8010	0.2816	0.1119						
145	1.1041	0.7998	0.2469	0.0986						
150	1.0021	0.7988	0.2120	0.0850						
155	0.8819	0.7980	0.1769	0.0713						
160	0.7432	0.7973	0.1416	0.0573						
165	0.5857	0.7967	0.1063	0.0431						
170	0.4093	0.7964	0.0709	0.0288						
175	0.2141	0.7961	0.0355	0.0144						
180	0.	0.7960	0.	0.						

GAMMA = 0.2000

ALPHA = 11.000

K = 1.800

DC = 2.5007

XR = 1.1151

BR = 1.353003

TR = 55.47

CR = 0.9681

QR = 0.2921E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9098	1.0810	0.2689	0.9098	1.0810	0.2689			
5	1.0000	0.9021	1.0590	0.2694	0.9181	1.1025	0.2684	2.1696	2.2088	12.6100
10	1.0364	0.8948	1.0366	0.2698	0.9268	1.1235	0.2682	1.8355	1.9005	4.2799
15	1.1020	0.8879	1.0136	0.2701	0.9362	1.1441	0.2685	1.6659	1.7529	2.2498
20	1.1946	0.8813	0.9901	0.2700	0.9464	1.1645	0.2697	1.5550	1.6617	1.4236
25	1.3144	0.8751	0.9660	0.2696	0.9574	1.1846	0.2725	1.4731	1.5978	1.0036
30	1.4643	0.8692	0.9414	0.2687	0.9696	1.2047	0.2779	1.4077	1.5494	0.7634
35	1.6529	0.8635	0.9162	0.2674	0.9832	1.2250	0.2876	1.3524	1.5103	0.6184
40	1.9008	0.8582	0.8904	0.2655	0.9989	1.2459	0.3056	1.3032	1.4769	0.5334
45	2.2646	0.8531	0.8641	0.2631	1.0178	1.2682	0.3415	1.2566	1.4404	0.4982
50	2.9640	0.8483	0.8373	0.2601	1.0429	1.2940	0.4330	1.2084	1.4153	0.5392
55	0.7119	0.8437	0.8099	0.2565						
60	0.7979	0.8394	0.7820	0.2524						
65	0.8827	0.8352	0.7536	0.2476						
70	0.9649	0.8313	0.7247	0.2422						
75	1.0436	0.8276	0.6953	0.2362						
80	1.1175	0.8241	0.6654	0.2296						
85	1.1853	0.8208	0.6351	0.2223						
90	1.2461	0.8177	0.6043	0.2145						
95	1.2985	0.8148	0.5731	0.2061						
100	1.3414	0.8121	0.5415	0.1972						
105	1.3738	0.8095	0.5096	0.1877						
110	1.3945	0.8071	0.4772	0.1777						
115	1.4026	0.8049	0.4446	0.1672						
120	1.3969	0.8029	0.4116	0.1562						
125	1.3767	0.8010	0.3783	0.1448						
130	1.3409	0.7994	0.3448	0.1330						
135	1.2889	0.7978	0.3110	0.1208						
140	1.2199	0.7965	0.2770	0.1083						
145	1.1333	0.7953	0.2428	0.0954						
150	1.0285	0.7942	0.2085	0.0823						
155	0.9050	0.7934	0.1740	0.0689						
160	0.7626	0.7927	0.1393	0.0554						
165	0.6010	0.7921	0.1046	0.0417						
170	0.4200	0.7917	0.0698	0.0279						
175	0.2197	0.7915	0.0349	0.0139						
180	0.	0.7914	0.	0.						

GAMMA = 0.2000

ALPHA = 11.000

K = 2.000

DC = 2.5377

XR = 1.1124

BR = 1.329106

TR = 49.74

CR = 0.8682

QR = 0.2442E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9112	1.0687	0.2674	0.9112	1.0687	0.2674			
5	1.0022	0.9029	1.0466	0.2669	0.9201	1.0903	0.2681	2.1141	2.1523	11.9654
10	1.0441	0.8951	1.0241	0.2666	0.9297	1.1116	0.2695	1.7883	1.8517	4.0683
15	1.1187	0.8877	1.0012	0.2662	0.9401	1.1326	0.2720	1.6233	1.7081	2.1473
20	1.2253	0.8807	0.9777	0.2656	0.9514	1.1536	0.2762	1.5144	1.6184	1.3687
25	1.3662	0.8741	0.9538	0.2647	0.9639	1.1745	0.2833	1.4332	1.5550	0.9762
30	1.5499	0.8679	0.9293	0.2635	0.9781	1.1958	0.2955	1.3675	1.5062	0.7564
35	1.7986	0.8620	0.9043	0.2619	0.9945	1.2178	0.3173	1.3108	1.4658	0.6321
40	2.1763	0.8564	0.8787	0.2598	1.0145	1.2417	0.3612	1.2583	1.4296	0.5787
45	2.9563	0.8511	0.8527	0.2572	1.0419	1.2701	0.4791	1.2041	1.3931	0.6295
50	0.6442	0.8460	0.8261	0.2541						
55	0.7325	0.8412	0.7990	0.2505						
60	0.8206	0.8367	0.7714	0.2462						
65	0.9073	0.8324	0.7433	0.2414						
70	0.9914	0.8283	0.7147	0.2361						
75	1.0718	0.8245	0.6856	0.2301						
80	1.1472	0.8208	0.6561	0.2236						
85	1.2164	0.8174	0.6262	0.2165						
90	1.2784	0.8142	0.5958	0.2088						
95	1.3317	0.8112	0.5650	0.2006						
100	1.3755	0.8083	0.5338	0.1918						
105	1.4083	0.8057	0.5023	0.1825						
110	1.4293	0.8032	0.4704	0.1728						
115	1.4373	0.8010	0.4382	0.1625						
120	1.4312	0.7989	0.4057	0.1518						
125	1.4103	0.7970	0.3729	0.1407						
130	1.3735	0.7952	0.3398	0.1292						
135	1.3200	0.7936	0.3065	0.1174						
140	1.2492	0.7922	0.2730	0.1052						
145	1.1664	0.7910	0.2393	0.0927						
150	1.0530	0.7899	0.2055	0.0799						
155	0.9265	0.7891	0.1714	0.0670						
160	0.7807	0.7883	0.1373	0.0538						
165	0.6152	0.7877	0.1031	0.0405						
170	0.4299	0.7873	0.0687	0.0271						
175	0.2248	0.7871	0.0344	0.0135						
180	0.	0.7870	0.	0.						

GAMMA=0.2000 ALPHA=11.000 K= 2.20

DC= 2.5714 XR= 1.11016 BR= 1.30919
TR=45.1120 CR= 0.78735 QR=20.97183

THETA	ST	X1	B1	S1
0	1.00000	0.9124	1.0582	0.2671
5	1.0044	0.9035	1.0360	0.2655
10	1.0522	0.8952	1.0135	0.2644
15	1.1372	0.8874	0.9905	0.2633
20	1.2601	0.8800	0.9671	0.2621
25	1.4274	0.8731	0.9432	0.2608
30	1.6581	0.8666	0.9188	0.2593
35	2.0085	0.8604	0.8939	0.2573
40	2.7084	0.8545	0.8685	0.2550
45	0.5727	0.8490	0.8427	0.2523
50	0.6621	0.8437	0.8163	0.2490
55	0.7524	0.8388	0.7894	0.2453
60	0.8423	0.8341	0.7621	0.2410
65	0.9308	0.8296	0.7342	0.2362
70	1.0166	0.8254	0.7059	0.2308
75	1.0985	0.8214	0.6772	0.2249
80	1.1753	0.8177	0.6480	0.2184
85	1.2459	0.8141	0.6183	0.2114
90	1.3089	0.8108	0.5883	0.2038
95	1.3632	0.8077	0.5579	0.1957
100	1.4075	0.8048	0.5271	0.1872
105	1.4408	0.8021	0.4959	0.1781
110	1.4619	0.7995	0.4644	0.1685
115	1.4698	0.7972	0.4326	0.1585
120	1.4634	0.7950	0.4005	0.1480
125	1.4417	0.7931	0.3681	0.1372
130	1.4039	0.7913	0.3354	0.1259
135	1.3491	0.7897	0.3026	0.1144
140	1.2766	0.7882	0.2695	0.1025
145	1.1857	0.7870	0.2362	0.0903
150	1.0759	0.7859	0.2028	0.0779
155	0.9466	0.7850	0.1692	0.0652
160	0.7976	0.7842	0.1355	0.0524
165	0.6285	0.7836	0.1017	0.0394
170	0.4392	0.7832	0.0678	0.0263
175	0.2297	0.7830	0.0339	0.0132
180	0.	0.7829	0.	0.

GAMMA=0.2000 ALPHA=11.000 K= 2.60

DC= 2.6311 XR= 1.10676 BR= 1.27785
TR=38.0662 CR= 0.66438 QR=16.34590

THETA	ST	X1	B1	S1
0	1.00000	0.9144	1.0414	0.2690
5	1.0094	0.9044	1.0188	0.2652
10	1.0709	0.8951	0.9960	0.2621
15	1.1801	0.8865	0.9728	0.2596
20	1.3445	0.8784	0.9494	0.2574
25	1.5892	0.8709	0.9255	0.2551
30	1.9999	0.8638	0.9013	0.2528
35	3.0736	0.8571	0.8766	0.2503
40	0.5119	0.8508	0.8514	0.2475
45	0.6031	0.8449	0.8258	0.2444
50	0.6961	0.8393	0.7998	0.2408
55	0.7899	0.8340	0.7733	0.2369
60	0.8832	0.8290	0.7463	0.2324
65	0.9749	0.8243	0.7189	0.2275
70	1.0637	0.8198	0.6911	0.2221
75	1.1484	0.8156	0.6628	0.2163
80	1.2278	0.8117	0.6341	0.2099
85	1.3005	0.8079	0.6050	0.2030
90	1.3654	0.8044	0.5756	0.1956
95	1.4212	0.8012	0.5457	0.1877
100	1.4667	0.7981	0.5155	0.1794
105	1.5007	0.7953	0.4850	0.1706
110	1.5220	0.7926	0.4542	0.1614
115	1.5296	0.7902	0.4230	0.1517
120	1.5224	0.7879	0.3916	0.1417
125	1.4994	0.7859	0.3599	0.1312
130	1.4596	0.7840	0.3279	0.1204
135	1.4023	0.7823	0.2958	0.1093
140	1.3266	0.7808	0.2634	0.0980
145	1.2319	0.7795	0.2309	0.0863
150	1.1176	0.7783	0.1982	0.0744
155	0.9832	0.7774	0.1654	0.0623
160	0.8283	0.7766	0.1324	0.0501
165	0.6527	0.7760	0.0994	0.0377
170	0.4561	0.7756	0.0663	0.0252
175	0.2385	0.7753	0.0332	0.0126
180	0.	0.7752	0.	0.

GAMMA=0.2000 ALPHA=11.000 K= 3.00

DC= 2.6829 XR= 1.10426 BR= 1.25432
TR=32.9469 CR= 0.57503 QR=13.39296

THETA	ST	X1	B1	S1
0	1.00000	0.9160	1.0285	0.2734
5	1.0150	0.9049	1.0054	0.2669
10	1.0920	0.8947	0.9822	0.2619
15	1.2318	0.8853	0.9588	0.2579
20	1.4553	0.8766	0.9352	0.2544
25	1.8437	0.8686	0.9113	0.2513
30	2.8905	0.8610	0.8871	0.2482
35	0.4457	0.8539	0.8625	0.2451
40	0.5373	0.8472	0.8375	0.2418
45	0.6318	0.8409	0.8121	0.2383
50	0.7280	0.8350	0.7862	0.2345
55	0.8249	0.8294	0.7600	0.2303
60	0.9212	0.8242	0.7334	0.2257
65	1.0157	0.8192	0.7063	0.2207
70	1.1072	0.8146	0.6788	0.2153
75	1.1943	0.8102	0.6509	0.2094
80	1.2758	0.8061	0.6227	0.2030
85	1.3505	0.8022	0.5940	0.1962
90	1.4169	0.7985	0.5650	0.1890
95	1.4740	0.7951	0.5357	0.1813
100	1.5204	0.7920	0.5066	0.1731
105	1.5549	0.7890	0.4760	0.1646
110	1.5764	0.7862	0.4457	0.1556
115	1.5836	0.7837	0.4150	0.1462
120	1.5756	0.7814	0.3842	0.1365
125	1.5513	0.7792	0.3531	0.1264
130	1.5097	0.7773	0.3217	0.1160
135	1.4501	0.7756	0.2901	0.1053
140	1.3716	0.7740	0.2584	0.0943
145	1.2734	0.7727	0.2265	0.0830
150	1.1551	0.7715	0.1944	0.0716
155	1.0160	0.7705	0.1622	0.0600
160	0.8559	0.7697	0.1299	0.0482
165	0.6743	0.7690	0.0975	0.0362
170	0.4712	0.7686	0.0650	0.0242
175	0.2464	0.7683	0.0325	0.0121
180	0.	0.7682	0.	0.

GAMMA=0.2000 ALPHA=11.000 K= 4.00

DC= 2.7898 XR= 1.10020 BR= 1.21501
TR=24.6883 CR= 0.43089 QR= 9.23504

THETA	ST	X1	B1	S1
0	1.00000	0.9187	1.0064	0.2905
5	1.0316	0.9051	0.9816	0.2760
10	1.1597	0.8929	0.9572	0.2656
15	1.4156	0.8818	0.9331	0.2577
20	1.9952	0.8718	0.9090	0.2513
25	0.3117	0.8625	0.8848	0.2459
30	0.4017	0.8539	0.8605	0.2410
35	0.4967	0.8459	0.8359	0.2365
40	0.5955	0.8385	0.8111	0.2321
45	0.6971	0.8315	0.7859	0.2277
50	0.8002	0.8250	0.7605	0.2232
55	0.9036	0.8189	0.7347	0.2185
60	1.0061	0.8132	0.7086	0.2135
65	1.1065	0.8076	0.6821	0.2082
70	1.2033	0.8027	0.6553	0.2026
75	1.2953	0.7980	0.6282	0.1967
80	1.3812	0.7935	0.6007	0.1904
85	1.4597	0.7893	0.5729	0.1837
90	1.5293	0.7854	0.5447	0.1766
95	1.5887	0.7818	0.5163	0.1692
100	1.6368	0.7784	0.4875	0.1614
105	1.6721	0.7752	0.4585	0.1532
110	1.6935	0.7723	0.4292	0.1447
115	1.6998	0.7696	0.3996	0.1359
120	1.6898	0.7671	0.3698	0.1268
125	1.6625	0.7648	0.3398	0.1173
130	1.6170	0.7627	0.3096	0.1076
135	1.5522	0.7609	0.2792	0.0976
140	1.4674	0.7592	0.2486	0.0874
145	1.3618	0.7578	0.2179	0.0769
150	1.2348	0.7566	0.1870	0.0663
155	1.0858	0.7555	0.1560	0.0555
160	0.9144	0.7546	0.1249	0.0446
165	0.7203	0.7540	0.0938	0.0335
170	0.5032	0.7535	0.0625	0.0224
175	0.2631	0.7532	0.0313	0.0112
180	0.	0.7531	0.	0.

GAMMA=0.2000 ALPHA=11.000 K= 6.00

DC= 2.9482 XR= 1.09611 BR= 1.17425
TR=1614706 CR= 0.28747 QR= 5.71020

THETA	ST	X1	B1	S1
0	1.0000	0.9218	0.9827	0.3361
5	1.0772	0.9034	0.9540	0.3015
10	1.3838	0.8877	0.9271	0.2795
15	2.7549	0.8740	0.9012	0.2636
20	0.2796	0.8618	0.8759	0.2517
25	0.3760	0.8508	0.8510	0.2422
30	0.4782	0.8408	0.8262	0.2343
35	0.5849	0.8316	0.8015	0.2274
40	0.6950	0.8231	0.7767	0.2212
45	0.8074	0.8152	0.7517	0.2154
50	0.9208	0.8078	0.7267	0.2097
55	1.0340	0.8010	0.7014	0.2041
60	1.1456	0.7946	0.6759	0.1985
65	1.2544	0.7887	0.6501	0.1927
70	1.3590	0.7831	0.6241	0.1868
75	1.4580	0.7779	0.5979	0.1807
80	1.5499	0.7730	0.5714	0.1744
85	1.6334	0.7685	0.5446	0.1678
90	1.7071	0.7642	0.5176	0.1610
95	1.7695	0.7602	0.4903	0.1539
100	1.8194	0.7566	0.4628	0.1465
105	1.8553	0.7532	0.4351	0.1388
110	1.8759	0.7500	0.4071	0.1309
115	1.8800	0.7471	0.3789	0.1227
120	1.8665	0.7444	0.3506	0.1143
125	1.8342	0.7420	0.3220	0.1057
130	1.7820	0.7398	0.2933	0.0968
135	1.7090	0.7378	0.2644	0.0877
140	1.6142	0.7360	0.2354	0.0785
145	1.4970	0.7345	0.2063	0.0690
150	1.3565	0.7332	0.1770	0.0595
155	1.1922	0.7320	0.1477	0.0497
160	1.0036	0.7311	0.1182	0.0399
165	0.7903	0.7304	0.0887	0.0300
170	0.5520	0.7299	0.0592	0.0201
175	0.2886	0.7296	0.0296	0.0100
180	0.	0.7295	0.	0.

GAMMA=0.2000 ALPHA=11.000 K= 8.00

DC= 3.0677 XR= 1.09405 BR= 1.15329
TR=12.3651 CR= 0.21581 QR= 4.13793

THETA	ST	X1	B1	S1
0	1.0000	0.9235	0.9701	0.3892
5	1.1415	0.9006	0.9375	0.3292
10	1.9293	0.8820	0.9082	0.2941
15	0.2256	0.8663	0.8807	0.2708
20	0.3259	0.8525	0.8543	0.2540
25	0.4325	0.8402	0.8287	0.2412
30	0.5442	0.8292	0.8034	0.2309
35	0.6599	0.8191	0.7784	0.2222
40	0.7786	0.8099	0.7536	0.2146
45	0.8991	0.8014	0.7287	0.2077
50	1.0201	0.7935	0.7038	0.2012
55	1.1404	0.7862	0.6788	0.1950
60	1.2587	0.7795	0.6537	0.1888
65	1.3736	0.7731	0.6284	0.1828
70	1.4837	0.7672	0.6029	0.1766
75	1.5874	0.7617	0.5772	0.1704
80	1.6835	0.7566	0.5514	0.1641
85	1.7704	0.7518	0.5253	0.1575
90	1.8466	0.7474	0.4990	0.1508
95	1.9107	0.7432	0.4726	0.1439
100	1.9614	0.7394	0.4459	0.1368
105	1.9971	0.7358	0.4190	0.1294
110	2.0167	0.7325	0.3920	0.1219
115	2.0188	0.7295	0.3648	0.1141
120	2.0021	0.7267	0.3374	0.1062
125	1.9655	0.7242	0.3098	0.0981
130	1.9079	0.7219	0.2822	0.0898
135	1.8283	0.7198	0.2543	0.0813
140	1.7258	0.7180	0.2264	0.0726
145	1.5995	0.7164	0.1983	0.0639
150	1.4486	0.7150	0.1702	0.0550
155	1.2726	0.7139	0.1419	0.0460
160	1.0709	0.7129	0.1136	0.0369
165	0.8431	0.7122	0.0853	0.0277
170	0.5888	0.7116	0.0569	0.0185
175	0.3078	0.7113	0.0284	0.0093
180	0.	0.7112	0.	0.

GAMMA=0.2000 ALPHA=11.000 K= 10.00

DC= 3.1656 XR= 1.09281 BR= 1.14051
TR= 9.8999 CR= 0.17279 QR= 3.24617

THETA	ST	X1	B1	S1
0	1.0000	0.9246	0.9623	0.4444
5	1.2320	0.8975	0.9259	0.3552
10	0.1559	0.8764	0.8943	0.3074
15	0.2583	0.8590	0.8654	0.2773
20	0.3677	0.8439	0.8381	0.2564
25	0.4827	0.8307	0.8119	0.2408
30	0.6022	0.8189	0.7862	0.2286
35	0.7253	0.8082	0.7610	0.2185
40	0.8509	0.7985	0.7361	0.2098
45	0.9779	0.7895	0.7113	0.2020
50	1.1050	0.7813	0.6865	0.1949
55	1.2310	0.7737	0.6617	0.1882
60	1.3544	0.7666	0.6368	0.1818
65	1.4740	0.7600	0.6119	0.1754
70	1.5882	0.7539	0.5868	0.1691
75	1.6956	0.7482	0.5616	0.1628
80	1.7947	0.7429	0.5362	0.1564
85	1.8839	0.7380	0.5107	0.1499
90	1.9619	0.7334	0.4850	0.1433
95	2.0271	0.7291	0.4591	0.1365
100	2.0781	0.7252	0.4330	0.1296
105	2.1134	0.7215	0.4068	0.1225
110	2.1318	0.7181	0.3805	0.1152
115	2.1318	0.7150	0.3540	0.1078
120	2.1123	0.7121	0.3273	0.1002
125	2.0720	0.7096	0.3006	0.0925
130	2.0099	0.7072	0.2737	0.0846
135	1.9248	0.7051	0.2466	0.0765
140	1.8158	0.7032	0.2195	0.0684
145	1.6821	0.7016	0.1923	0.0601
150	1.5228	0.7002	0.1650	0.0517
155	1.3373	0.6990	0.1376	0.0432
160	1.1250	0.6980	0.1101	0.0347
165	0.8855	0.6972	0.0826	0.0261
170	0.6183	0.6967	0.0551	0.0174
175	0.3232	0.6964	0.0276	0.0087
180	0.	0.6963	0.	0.

GAMMA=0.2000 ALPHA=11.000 K= 20.00

DC= 3.5063 XR= 1.09031 BR= 1.11448
TR= 3.9601 CR= 0.06912 QR= 1.56448

THETA	ST	X1	B1	S1
0	1.0000	0.9266	0.9459	0.7242
5	0.1158	0.8820	0.8925	0.4567
10	0.2530	0.8521	0.8526	0.3528
15	0.3919	0.8291	0.8189	0.2975
20	0.5329	0.8104	0.7887	0.2627
25	0.6763	0.7944	0.7605	0.2386
30	0.8219	0.7804	0.7337	0.2206
35	0.9692	0.7681	0.7079	0.2064
40	1.1173	0.7569	0.6827	0.1948
45	1.2651	0.7469	0.6581	0.1848
50	1.4114	0.7377	0.6337	0.1760
55	1.5549	0.7292	0.6095	0.1681
60	1.6941	0.7214	0.5855	0.1608
65	1.8276	0.7143	0.5616	0.1538
70	1.9538	0.7076	0.5377	0.1471
75	2.0711	0.7014	0.5138	0.1406
80	2.1781	0.6957	0.4900	0.1342
85	2.2731	0.6904	0.4660	0.1279
90	2.3546	0.6855	0.4420	0.1216
95	2.4210	0.6809	0.4180	0.1153
100	2.4709	0.6767	0.3939	0.1090
105	2.5028	0.6728	0.3697	0.1026
110	2.5151	0.6692	0.3455	0.0961
115	2.5067	0.6659	0.3211	0.0896
120	2.4761	0.6629	0.2968	0.0831
125	2.4222	0.6602	0.2723	0.0764
130	2.3436	0.6577	0.2478	0.0697
135	2.2394	0.6555	0.2232	0.0630
140	2.1084	0.6535	0.1985	0.0561
145	1.9498	0.6518	0.1738	0.0492
150	1.7625	0.6503	0.1491	0.0423
155	1.5459	0.6491	0.1243	0.0353
160	1.2992	0.6480	0.0995	0.0283
165	1.0217	0.6472	0.0746	0.0213
170	0.7130	0.6467	0.0498	0.0142
175	0.3726	0.6463	0.0249	0.0071
180	0.	0.6462	0.	0.

GAMMA = 0.2000

ALPHA = 12.000

K = 0.200

DC = 1.7521

XD = 1.6498

BD = 2.306087

VZ = -0.292E 01

THEYA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8837	1.5439	0.5431	0.8837	1.5439	0.5970			
5	0.9887	0.8821	1.5128	0.5468	0.8853	1.5742	0.5925	3.6835	3.7504	361.8627
10	1.0013	0.8806	1.4808	0.5494	0.8870	1.6038	0.5874	3.1083	3.2193	121.4724
15	1.0298	0.8790	1.4480	0.5511	0.8886	1.6322	0.5816	2.4818	2.9863	61.4843
20	1.0703	0.8775	1.4144	0.5517	0.8902	1.6600	0.5753	2.6312	2.8124	4.0151
25	1.1210	0.8760	1.3799	0.5513	0.8919	1.6869	0.5684	2.4966	2.7076	2.1738
30	1.1801	0.8746	1.3447	0.5497	0.8935	1.7130	0.5611	2.3992	2.6316	1.1975
35	1.2465	0.8731	1.3086	0.5470	0.8952	1.7382	0.5533	2.3105	2.5742	1.1486
40	1.3189	0.8717	1.2717	0.5431	0.8969	1.7627	0.5452	2.2423	2.5294	1.1151
45	1.3961	0.8703	1.2340	0.5381	0.8985	1.7863	0.5368	2.1848	2.4938	0.9125
50	1.4770	0.8690	1.1954	0.5318	0.9002	1.8092	0.5281	2.1356	2.4649	0.7353
55	1.5606	0.8677	1.1564	0.5243	0.9019	1.8312	0.5193	2.0928	2.4413	0.6006
60	1.6460	0.8665	1.1165	0.5155	0.9035	1.8525	0.5103	2.0553	2.4217	0.4960
65	1.7320	0.8652	1.0758	0.5055	0.9051	1.8730	0.5013	2.0221	2.4054	0.4134
70	1.8178	0.8641	1.0346	0.4943	0.9068	1.8928	0.4923	1.9925	2.3916	0.3472
75	1.9023	0.8629	0.9925	0.4819	0.9084	1.9118	0.4833	1.9660	2.3800	0.2935
80	1.9848	0.8618	0.9498	0.4682	0.9100	1.9302	0.4743	1.9420	2.3701	0.2495
85	2.0643	0.8608	0.9064	0.4533	0.9116	1.9478	0.4655	1.9204	2.3616	0.2131
90	2.1400	0.8598	0.8625	0.4373	0.9132	1.9647	0.4569	1.9007	2.3543	0.1828
95	2.2110	0.8588	0.8179	0.4201	0.9147	1.9809	0.4485	1.8827	2.3481	0.1575
100	2.2768	0.8579	0.7729	0.4018	0.9162	1.9968	0.4404	1.8662	2.3427	0.1362
105	2.3364	0.8571	0.7272	0.3824	0.9177	2.0115	0.4326	1.8512	2.3381	0.1182
110	2.3894	0.8563	0.6811	0.3619	0.9192	2.0258	0.4251	1.8373	2.3340	0.1029
115	2.4350	0.8555	0.6345	0.3405	0.9207	2.0399	0.4180	1.8245	2.3305	0.0900
120	2.4730	0.8548	0.5874	0.3182	0.9221	2.0527	0.4113	1.8127	2.3275	0.0790
125	2.5027	0.8542	0.5400	0.2949	0.9235	2.0653	0.4050	1.8018	2.3248	0.0696
130	2.5238	0.8536	0.4921	0.2709	0.9249	2.0778	0.3992	1.7917	2.3225	0.0617
135	2.5361	0.8530	0.4439	0.2460	0.9262	2.0898	0.3938	1.7824	2.3205	0.0549
140	2.5394	0.8526	0.3954	0.2205	0.9275	2.0998	0.3890	1.7757	2.3187	0.0492
145	2.5331	0.8521	0.3466	0.1943	0.9288	2.1103	0.3847	1.7696	2.3172	0.0445
150	2.5188	0.8518	0.2975	0.1678	0.9301	2.1203	0.3809	1.7581	2.3158	0.0406
155	2.4947	0.8514	0.2483	0.1404	0.9313	2.1298	0.3777	1.7511	2.3147	0.0374
160	2.4620	0.8512	0.1988	0.1128	0.9325	2.1390	0.3751	1.7446	2.3136	0.0348
165	2.4210	0.8510	0.1493	0.0849	0.9336	2.1477	0.3730	1.7386	2.3127	0.0329
170	2.3720	0.8508	0.0996	0.0567	0.9347	2.1559	0.3715	1.7329	2.3119	0.0316
175	2.3157	0.8508	0.0498	0.0284	0.9358	2.1638	0.3706	1.7276	2.3112	0.0308
180	2.2529	0.8507	0.	0.	0.9369	2.1713	0.3703	1.7227	2.3106	0.0305

GAMMA = 0.2000

ALPHA = 12.000

K = 0.300

DC = 1.8789

XD = 1.4884

BD = 2.088253

VZ = -0.3376E 01

THEYA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8887	1.4294	0.4560	0.8887	1.4294	0.4967			
5	0.9893	0.8866	1.4011	0.4601	0.8908	1.4568	0.4919	3.3312	3.3917	301.0959
10	1.0032	0.8846	1.3721	0.4634	0.8929	1.4834	0.4865	2.8122	2.9125	101.1814
15	1.0329	0.8825	1.3422	0.4658	0.8951	1.5092	0.4805	2.5502	2.6841	51.2922
20	1.0751	0.8806	1.3115	0.4672	0.8973	1.5342	0.4739	2.3815	2.5453	31.2761
25	1.1275	0.8785	1.2800	0.4678	0.8995	1.5584	0.4670	2.2601	2.4508	21.2301
30	1.1886	0.8767	1.2477	0.4673	0.9017	1.5818	0.4595	2.1669	2.3824	11.6111
35	1.2568	0.8749	1.2146	0.4658	0.9039	1.6044	0.4518	2.0924	2.3306	1.2121
40	1.3310	0.8731	1.1808	0.4632	0.9062	1.6262	0.4437	2.0309	2.2903	0.1939
45	1.4100	0.8713	1.1462	0.4596	0.9084	1.6472	0.4354	1.9791	2.2582	0.1748
50	1.4925	0.8696	1.1108	0.4549	0.9107	1.6675	0.4269	1.9347	2.2323	0.1593
55	1.5775	0.8680	1.0747	0.4491	0.9130	1.6870	0.4183	1.8961	2.2110	0.1486
60	1.6640	0.8664	1.0379	0.4422	0.9152	1.7058	0.4096	1.8623	2.1934	0.1404
65	1.7507	0.8648	1.0004	0.4342	0.9175	1.7238	0.4008	1.8324	2.1787	0.1337
70	1.8368	0.8633	0.9622	0.4250	0.9198	1.7411	0.3921	1.8057	2.1663	0.1283
75	1.9212	0.8619	0.9233	0.4148	0.9220	1.7578	0.3834	1.7817	2.1558	0.1239
80	2.0030	0.8605	0.8838	0.4034	0.9243	1.7737	0.3748	1.7601	2.1469	0.1204
85	2.0812	0.8592	0.8436	0.3910	0.9265	1.7890	0.3664	1.7405	2.1392	0.1174
90	2.1541	0.8579	0.8029	0.3775	0.9287	1.8036	0.3579	1.7226	2.1327	0.1149
95	2.2225	0.8567	0.7616	0.3629	0.9309	1.8177	0.3499	1.7063	2.1270	0.1123
100	2.2847	0.8556	0.7197	0.3474	0.9331	1.8311	0.3422	1.6916	2.1222	0.1100
105	2.3401	0.8545	0.6773	0.3309	0.9352	1.8439	0.3348	1.6777	2.1179	0.1074
110	2.3879	0.8535	0.6345	0.3134	0.9373	1.8562	0.3278	1.6651	2.1143	0.1051
115	2.4275	0.8526	0.5911	0.2950	0.9394	1.8679	0.3211	1.6535	2.1111	0.1027
120	2.4585	0.8517	0.5474	0.2758	0.9415	1.8790	0.3148	1.6427	2.1083	0.1006
125	2.4803	0.8509	0.5032	0.2558	0.9435	1.8897	0.3089	1.6328	2.1059	0.0980
130	2.4926	0.8502	0.4587	0.2350	0.9455	1.8998	0.3034	1.6235	2.1038	0.0956
135	2.4951	0.8495	0.4138	0.2136	0.9475	1.9095	0.2985	1.6150	2.1019	0.0941
140	2.4876	0.8489	0.3686	0.1915	0.9495	1.9187	0.2940	1.6070	2.1003	0.0925
145	2.4702	0.8484	0.3231	0.1688	0.9514	1.9275	0.2899	1.5996	2.0989	0.0916
150	2.4427	0.8479	0.2774	0.1456	0.9532	1.9358	0.2864	1.5926	2.0976	0.0904
155	2.4053	0.8476	0.2315	0.1220	0.9550	1.9436	0.2835	1.5862	2.0965	0.0898
160	2.3584	0.8472	0.1854	0.0981	0.9568	1.9513	0.2810	1.5802	2.0956	0.0892
165	2.3023	0.8470	0.1392	0.0738	0.9586	1.9585	0.2791	1.5746	2.0947	0.0882
170	2.2375	0.8468	0.0928	0.0493	0.9603	1.9653	0.2777	1.5693	2.0939	0.0871
175	2.1647	0.8467	0.0464	0.0247	0.9619	1.9718	0.2769	1.5644	2.0933	0.0865
180	2.0847	0.8467	0.	0.	0.9636	1.9780	0.2766	1.5598	2.0927	0.0863

GAMMA = 0.2000

ALPHA = 12.000

K = 0.400

DC = 1.9702

XU = 1.3682

BC = 1.944177

V2 = -0.3181E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8926	1.3565	0.4046	0.8926	1.3565	0.4360			
5	0.9899	0.8901	1.3301	0.4089	0.8952	1.3822	0.4309	3.1023	3.1585	26.0628
10	1.0047	0.8876	1.3029	0.4125	0.8978	1.4070	0.4253	2.6195	2.7128	8.8161
15	1.0356	0.8851	1.2749	0.4153	0.9004	1.4310	0.4192	2.3761	2.5007	4.5819
20	1.0791	0.8828	1.2460	0.4172	0.9031	1.4542	0.4125	2.2194	2.3717	2.8361
25	1.1330	0.8804	1.2164	0.4182	0.9058	1.4767	0.4055	2.1065	2.2840	1.9304
30	1.1956	0.8782	1.1860	0.4184	0.9086	1.4983	0.3986	2.0199	2.2205	1.3946
35	1.2655	0.8760	1.1549	0.4176	0.9114	1.5192	0.3922	1.9506	2.1724	1.0493
40	1.3414	0.8738	1.1229	0.4158	0.9142	1.5393	0.3822	1.8935	2.1350	0.8132
45	1.4219	0.8717	1.0902	0.4130	0.9170	1.5586	0.3739	1.8453	2.1052	0.6444
50	1.5060	0.8697	1.0568	0.4092	0.9199	1.5772	0.3655	1.8040	2.0811	0.5196
55	1.5923	0.8677	1.0227	0.4044	0.9228	1.5951	0.3569	1.7682	2.0613	0.4249
60	1.6798	0.8658	0.9878	0.3985	0.9256	1.6122	0.3482	1.7367	2.0449	0.3515
65	1.7673	0.8640	0.9523	0.3916	0.9285	1.6287	0.3396	1.7087	2.0312	0.2935
70	1.8538	0.8623	0.9160	0.3837	0.9314	1.6444	0.3310	1.6838	2.0196	0.2471
75	1.9381	0.8606	0.8792	0.3747	0.9343	1.6595	0.3224	1.6614	2.0098	0.2096
80	2.0193	0.8589	0.8417	0.3647	0.9372	1.6739	0.3140	1.6411	2.0015	0.1788
85	2.0964	0.8574	0.8035	0.3537	0.9401	1.6877	0.3057	1.6227	1.9943	0.1534
90	2.1683	0.8559	0.7648	0.3417	0.9430	1.7008	0.2977	1.6060	1.9881	0.1323
95	2.2342	0.8545	0.7256	0.3287	0.9459	1.7134	0.2898	1.5906	1.9828	0.1146
100	2.2934	0.8532	0.6858	0.3148	0.9488	1.7253	0.2823	1.5765	1.9782	0.0998
105	2.3449	0.8520	0.6455	0.3000	0.9516	1.7367	0.2751	1.5635	1.9741	0.0872
110	2.3881	0.8508	0.6047	0.2843	0.9545	1.7476	0.2682	1.5516	1.9706	0.0766
115	2.4223	0.8497	0.5634	0.2677	0.9573	1.7579	0.2616	1.5405	1.9676	0.0675
120	2.4471	0.8487	0.5218	0.2504	0.9601	1.7677	0.2555	1.5302	1.9649	0.0598
125	2.4619	0.8478	0.4797	0.2323	0.9628	1.7770	0.2497	1.5206	1.9625	0.0533
130	2.4664	0.8469	0.4373	0.2135	0.9656	1.7859	0.2444	1.5117	1.9605	0.0477
135	2.4603	0.8462	0.3945	0.1940	0.9683	1.7943	0.2396	1.5034	1.9587	0.0430
140	2.4435	0.8455	0.3514	0.1740	0.9710	1.8023	0.2352	1.4957	1.9570	0.0390
145	2.4157	0.8449	0.3081	0.1534	0.9736	1.8099	0.2313	1.4885	1.9556	0.0357
150	2.3773	0.8443	0.2645	0.1324	0.9762	1.8176	0.2279	1.4817	1.9544	0.0329
155	2.3283	0.8439	0.2208	0.1110	0.9788	1.8238	0.2250	1.4754	1.9533	0.0306
160	2.2691	0.8435	0.1768	0.0892	0.9813	1.8303	0.2226	1.4694	1.9523	0.0289
165	2.1995	0.8432	0.1327	0.0671	0.9838	1.8364	0.2207	1.4638	1.9514	0.0275
170	2.1212	0.8430	0.0885	0.0449	0.9862	1.8421	0.2194	1.4586	1.9506	0.0266
175	2.0344	0.8429	0.0443	0.0225	0.9887	1.8476	0.2186	1.4536	1.9499	0.0260
180	1.9401	0.8429	0.	0.	0.9910	1.8528	0.2183	1.4490	1.9493	0.0258

GAMMA = 0.2000

ALPHA = 12.000

K = 0.500

DC = 2.0413

XR = 1.2058

BR = 1.833459

TR = 172.92

CR = 9.5484

QR = 0.2335E 07

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8958	1.3047	0.3701	0.8958	1.3047	0.3900			
5	0.9902	0.8928	1.2796	0.3745	0.8988	1.3291	0.3848	2.9357	2.9890	23.3120
10	1.0057	0.8900	1.2537	0.3783	0.9019	1.3527	0.3791	2.4796	2.5679	7.8858
15	1.0374	0.8872	1.2269	0.3813	0.9050	1.3754	0.3729	2.2492	2.3671	4.0987
20	1.0818	0.8844	1.1994	0.3835	0.9082	1.3974	0.3663	2.1015	2.2456	2.5374
25	1.1369	0.8817	1.1711	0.3849	0.9114	1.4186	0.3592	1.9949	2.1628	1.7277
30	1.2008	0.8791	1.1421	0.3854	0.9147	1.4391	0.3518	1.9131	2.1028	1.2489
35	1.2720	0.8766	1.1122	0.3850	0.9180	1.4587	0.3440	1.8476	2.0574	0.9405
40	1.3493	0.8741	1.0816	0.3837	0.9214	1.4776	0.3360	1.7935	2.0220	0.7298
45	1.4312	0.8717	1.0503	0.3814	0.9248	1.4958	0.3278	1.7480	1.9938	0.5793
50	1.5165	0.8694	1.0183	0.3782	0.9282	1.5132	0.3195	1.7088	1.9710	0.4681
55	1.6041	0.8672	0.9855	0.3740	0.9317	1.5299	0.3110	1.6748	1.9522	0.3838
60	1.6926	0.8650	0.9520	0.3688	0.9352	1.5459	0.3025	1.6449	1.9367	0.3185
65	1.7809	0.8630	0.9179	0.3627	0.9387	1.5612	0.2939	1.6183	1.9236	0.2670
70	1.8679	0.8610	0.8831	0.3555	0.9423	1.5758	0.2854	1.5945	1.9125	0.2258
75	1.9524	0.8591	0.8476	0.3474	0.9459	1.5898	0.2770	1.5731	1.9031	0.1925
80	2.0333	0.8573	0.8115	0.3383	0.9495	1.6031	0.2688	1.5536	1.8951	0.1652
85	2.1096	0.8555	0.7749	0.3283	0.9531	1.6158	0.2607	1.5359	1.8881	0.1427
90	2.1802	0.8539	0.7376	0.3172	0.9568	1.6279	0.2528	1.5197	1.8822	0.1240
95	2.2444	0.8523	0.6998	0.3053	0.9604	1.6394	0.2451	1.5049	1.8769	0.1083
100	2.3011	0.8508	0.6615	0.2925	0.9640	1.6503	0.2377	1.4911	1.8724	0.0952
105	2.3495	0.8494	0.6226	0.2788	0.9677	1.6607	0.2306	1.4784	1.8684	0.0841
110	2.3891	0.8481	0.5833	0.2643	0.9714	1.6705	0.2239	1.4667	1.8649	0.0746
115	2.4190	0.8469	0.5436	0.2490	0.9750	1.6799	0.2175	1.4557	1.8619	0.0666
120	2.4387	0.8458	0.5034	0.2329	0.9787	1.6887	0.2115	1.4455	1.8592	0.0598
125	2.4478	0.8447	0.4628	0.2161	0.9823	1.6971	0.2059	1.4359	1.8567	0.0540
130	2.4460	0.8438	0.4219	0.1987	0.9859	1.7050	0.2007	1.4270	1.8546	0.0491
135	2.4328	0.8429	0.3807	0.1806	0.9895	1.7125	0.1960	1.4186	1.8527	0.0449
140	2.4083	0.8422	0.3391	0.1620	0.9932	1.7196	0.1917	1.4107	1.8510	0.0414
145	2.3723	0.8415	0.2973	0.1429	0.9967	1.7263	0.1880	1.4033	1.8495	0.0384
150	2.3250	0.8409	0.2553	0.1233	1.0003	1.7326	0.1846	1.3963	1.8482	0.0360
155	2.2667	0.8404	0.2130	0.1033	1.0038	1.7385	0.1818	1.3896	1.8469	0.0340
160	2.1976	0.8400	0.1706	0.0831	1.0074	1.7441	0.1795	1.3834	1.8459	0.0325
165	2.1186	0.8397	0.1281	0.0625	1.0109	1.7494	0.1778	1.3774	1.8449	0.0314
170	2.0304	0.8394	0.0855	0.0418	1.0143	1.7544	0.1765	1.3718	1.8440	0.0306
175	1.9345	0.8393	0.0427	0.0209	1.0178	1.7591	0.1759	1.3665	1.8432	0.0303
180	1.8684	0.8393	0.	0.	1.0212	1.7636	0.1784	1.3614	1.8425	0.0319

GAMMA = 0.2000

ALPHA = 12.000

K = 0.600

DC = 2.0996 XR = 1.1693 BR = 1.739168 TR = 114.52 CR = 4.2845 QR = 0.4506E 04										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8985	1.2655	0.3453	0.8985	1.2655	0.3453			
5	0.9996	0.8952	1.2412	0.3498	0.9019	1.2889	0.3401	2.8064	2.8573	21.2785
10	1.0049	0.8919	1.2163	0.3536	0.9054	1.3115	0.3343	2.3710	2.4553	7.1961
15	1.0359	0.8887	1.1905	0.3568	0.9090	1.3334	0.3280	2.1510	2.2637	3.7391
20	1.0795	0.8856	1.1642	0.3591	0.9126	1.3544	0.3211	2.0100	2.1477	2.3142
25	1.1336	0.8826	1.1367	0.3607	0.9163	1.3747	0.3138	1.9082	2.0687	1.5755
30	1.1964	0.8797	1.1086	0.3614	0.9201	1.3943	0.3061	1.8301	2.0114	1.1389
35	1.2663	0.8769	1.0798	0.3613	0.9240	1.4131	0.2981	1.7675	1.9680	0.8579
40	1.3419	0.8741	1.0502	0.3603	0.9279	1.4311	0.2897	1.7158	1.9342	0.6660
45	1.4218	0.8715	1.0199	0.3584	0.9319	1.4484	0.2811	1.6721	1.9072	0.5291
50	1.5045	0.8689	0.9889	0.3556	0.9360	1.4650	0.2722	1.6346	1.8853	0.4280
55	1.5888	0.8665	0.9571	0.3518	0.9401	1.4808	0.2632	1.6019	1.8672	0.3514
60	1.6733	0.8641	0.9247	0.3471	0.9442	1.4960	0.2541	1.5730	1.8522	0.2921
65	1.7566	0.8618	0.8916	0.3415	0.9485	1.5105	0.2448	1.5473	1.8395	0.2463
70	1.8374	0.8596	0.8579	0.3349	0.9527	1.5243	0.2356	1.5243	1.8288	0.2079
75	1.9145	0.8575	0.8235	0.3273	0.9571	1.5375	0.2263	1.5034	1.8196	0.1776
80	1.9866	0.8555	0.7885	0.3189	0.9615	1.5500	0.2171	1.4844	1.8117	0.1528
85	2.0524	0.8536	0.7529	0.3095	0.9659	1.5619	0.2080	1.4670	1.8048	0.1323
90	2.1129	0.8518	0.7168	0.2992	0.9704	1.5732	0.1990	1.4510	1.7988	0.1152
95	2.1669	0.8501	0.6801	0.2880	0.9749	1.5840	0.1901	1.4363	1.7936	0.1009
100	2.2212	0.8484	0.6429	0.2760	0.9794	1.5942	0.1814	1.4225	1.7890	0.0888
105	2.2309	0.8469	0.6051	0.2632	0.9840	1.6039	0.1728	1.4098	1.7849	0.0785
110	2.2491	0.8455	0.5670	0.2495	0.9887	1.6130	0.1645	1.3978	1.7813	0.0697
115	2.2548	0.8442	0.5284	0.2351	0.9934	1.6217	0.1564	1.3866	1.7781	0.0622
120	2.2577	0.8429	0.4893	0.2199	0.9981	1.6298	0.2086	1.3761	1.7752	0.0912
125	2.2621	0.8418	0.4499	0.2041	1.0029	1.6376	0.1928	1.3661	1.7726	0.0757
130	2.2616	0.8408	0.4102	0.1877	1.0077	1.6449	0.1834	1.3567	1.7702	0.0668
135	2.2578	0.8398	0.3701	0.1706	1.0125	1.6517	0.1763	1.3477	1.7681	0.0605
140	2.2526	0.8390	0.3297	0.1531	1.0174	1.6582	0.1706	1.3392	1.7662	0.0556
145	2.2482	0.8383	0.2891	0.1350	1.0223	1.6643	0.1659	1.3311	1.7644	0.0518
150	2.2431	0.8376	0.2482	0.1165	1.0273	1.6701	0.1619	1.3232	1.7628	0.0488
155	2.2355	0.8371	0.2071	0.0977	1.0323	1.6755	0.1586	1.3157	1.7613	0.0464
160	2.2273	0.8366	0.1659	0.0785	1.0373	1.6806	0.1560	1.3085	1.7599	0.0446
165	2.2188	0.8363	0.1245	0.0591	1.0425	1.6854	0.1539	1.3015	1.7586	0.0432
170	2.0924	0.8360	0.0831	0.0395	1.0476	1.6900	0.1525	1.2947	1.7574	0.0422
175	1.9880	0.8359	0.0416	0.0198	1.0529	1.6942	0.1516	1.2881	1.7563	0.0416
180	1.8766	0.8358	0.	0.	1.0582	1.6982	0.1513	1.2816	1.7553	0.0414

GAMMA = 0.2000

ALPHA = 12.000

K = 0.800

DC = 2.1917 XR = 1.1424 BR = 1.606582 TR = 147.78 CR = 2.5792 QR = 0.4053E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9029	1.2090	0.3122	0.9029	1.2090	0.3122			
5	0.9913	0.8988	1.1861	0.3167	0.9070	1.2311	0.3072	2.6142	2.6616	18.4270
10	1.0087	0.8948	1.1624	0.3205	0.9114	1.2525	0.3016	2.2091	2.2877	6.2313
15	1.0429	0.8910	1.1379	0.3236	0.9158	1.2732	0.2955	2.0052	2.1101	3.2381
20	1.0908	0.8873	1.1128	0.3261	0.9203	1.2930	0.2890	1.8740	2.0022	2.0052
25	1.1500	0.8837	1.0868	0.3278	0.9250	1.3122	0.2821	1.7793	1.9287	1.3669
30	1.2188	0.8802	1.0601	0.3287	0.9298	1.3306	0.2748	1.7065	1.8753	0.9902
35	1.2956	0.8769	1.0327	0.3289	0.9348	1.3482	0.2672	1.6480	1.8348	0.7483
40	1.3789	0.8736	1.0045	0.3282	0.9398	1.3652	0.2594	1.5996	1.8031	0.5835
45	1.4672	0.8705	0.9757	0.3267	0.9451	1.3814	0.2519	1.5585	1.7776	0.4663
50	1.5590	0.8675	0.9461	0.3243	0.9504	1.3969	0.2432	1.5229	1.7569	0.3799
55	1.6529	0.8646	0.9158	0.3211	0.9559	1.4118	0.2349	1.4918	1.7396	0.3147
60	1.7477	0.8618	0.8849	0.3170	0.9615	1.4260	0.2266	1.4641	1.7251	0.2644
65	1.8418	0.8592	0.8533	0.3120	0.9673	1.4395	0.2182	1.4392	1.7127	0.2250
70	1.9342	0.8566	0.8211	0.3061	0.9732	1.4524	0.2099	1.4166	1.7020	0.1936
75	2.0237	0.8542	0.7883	0.2993	0.9794	1.4647	0.2018	1.3959	1.6927	0.1683
80	2.1091	0.8519	0.7548	0.2917	0.9857	1.4765	0.1937	1.3768	1.6846	0.1478
85	2.1895	0.8497	0.7208	0.2832	0.9922	1.4877	0.1859	1.3590	1.6773	0.1311
90	2.2640	0.8476	0.6863	0.2739	0.9989	1.4983	0.1783	1.3424	1.6709	0.1175
95	2.3322	0.8457	0.6512	0.2638	1.0058	1.5084	0.1711	1.3266	1.6650	0.1063
100	2.3937	0.8438	0.6156	0.2528	1.0131	1.5181	0.1642	1.3116	1.6597	0.0973
105	2.4485	0.8421	0.5795	0.2411	1.0206	1.5273	0.1578	1.2972	1.6548	0.0900
110	2.4974	0.8405	0.5430	0.2287	1.0285	1.5362	0.1520	1.2833	1.6502	0.0844
115	2.5422	0.8389	0.5060	0.2155	1.0368	1.5446	0.1470	1.2696	1.6458	0.0804
120	2.5859	0.8375	0.4687	0.2017	1.0457	1.5528	0.1430	1.2560	1.6415	0.0780
125	2.6356	0.8363	0.4309	0.1872	1.0553	1.5607	0.1404	1.2423	1.6375	0.0776
130	2.7053	0.8351	0.3929	0.1721	1.0658	1.5685	0.1402	1.2282	1.6333	0.0799
135	2.8279	0.8340	0.3545	0.1565	1.0778	1.5764	0.1442	1.2131	1.6289	0.0867
140	3.1072	0.8331	0.3158	0.1404	1.0922	1.5847	0.1586	1.1960	1.6238	0.1040
145	4.1732	0.8322	0.2769	0.1239	1.1124	1.5946	0.2206	1.1734	1.6169	0.1691
150	0.9141	0.8315	0.2378	0.1069						
155	0.8049	0.8309	0.1984	0.0896						
160	0.6787	0.8304	0.1589	0.0720						
165	0.5350	0.8300	0.1193	0.0542						
170	0.3740	0.8297	0.0796	0.0363						
175	0.1956	0.8296	0.0398	0.0182						
180	0.	0.8295	0.	0.						

GAMMA = 0.2000

ALPHA = 121000

K = 1.000

DC = 2.2031	NR = 1.1290	SR = 1.518852	TR = 110.20	CR = 2.9234	QR = 0.1554E 03				
TIME/BA	SI	MI	BI	S1	K2	S2	K3	B3	S3
0	1.0000	0.9062	1.1189	0.2917	0.9062	1.1189	0.2917		
5	0.9928	0.9015	1.1477	0.2959	0.9111	1.1192	0.2870	2.4745	2.5193
10	1.0128	0.8969	1.1248	0.2929	0.9162	1.1212	0.2812	2.1091	2.1861
15	1.0509	0.8925	1.1012	0.3025	0.9215	1.1238	0.2762	1.8989	1.9981
20	1.1039	0.8882	1.0769	0.3048	0.9269	1.1250	0.2708	1.7750	1.8963
25	1.1696	0.8841	1.0518	0.3065	0.9326	1.1268	0.2640	1.6853	1.8267
30	1.2463	0.8801	1.0260	0.3074	0.9385	1.1287	0.2574	1.6161	1.7760
35	1.3325	0.8763	0.9995	0.3078	0.9445	1.1304	0.2507	1.5604	1.7373
40	1.4288	0.8727	0.9723	0.3070	0.9508	1.1320	0.2438	1.5139	1.7068
45	1.5272	0.8691	0.9444	0.3057	0.9574	1.1336	0.2369	1.4742	1.6822
50	1.6333	0.8656	0.9158	0.3035	0.9642	1.1351	0.2299	1.4394	1.6618
55	1.7437	0.8622	0.8865	0.3008	0.9712	1.1366	0.2232	1.4089	1.6447
60	1.8577	0.8594	0.8567	0.2988	0.9788	1.1383	0.2165	1.3813	1.6300
65	1.9749	0.8566	0.8261	0.2921	0.9866	1.1393	0.2108	1.3561	1.6172
70	2.0952	0.8538	0.7950	0.2867	0.9948	1.1406	0.2046	1.3327	1.6059
75	2.2196	0.8509	0.7632	0.2804	1.0035	1.1419	0.1985	1.3108	1.5958
80	2.3505	0.8486	0.7309	0.2738	1.0129	1.1432	0.1925	1.2900	1.5865
85	2.4927	0.8459	0.6979	0.2664	1.0230	1.1443	0.1861	1.2698	1.5779
90	2.6462	0.8438	0.6645	0.2587	1.0341	1.1456	0.1792	1.2498	1.5695
95	2.8055	0.8414	0.6305	0.2473	1.0466	1.1466	0.1728	1.2296	1.5613
100	2.9719	0.8394	0.5961	0.2370	1.0614	1.1474	0.1661	1.2080	1.5526
105	3.1443	0.8375	0.5612	0.2260	1.0784	1.1481	0.1591	1.1850	1.5425
110	3.3228	0.8357	0.5258	0.2144	1.0904				0.2063
115	3.5064	0.8340	0.4900	0.2020					
120	3.6952	0.8325	0.4538	0.1891					
125	3.8893	0.8311	0.4173	0.1755					
130	4.0888	0.8298	0.3804	0.1618					
135	4.2937	0.8286	0.3433	0.1486					
140	4.5040	0.8276	0.3058	0.1317					
145	4.7196	0.8267	0.2681	0.1162					
150	4.9405	0.8259	0.2302	0.1003					
155	5.1668	0.8252	0.1922	0.0841					
160	5.3985	0.8247	0.1539	0.0676					
165	5.6356	0.8243	0.1155	0.0509					
170	5.8781	0.8239	0.0771	0.0340					
175	6.1260	0.8236	0.0383	0.0170					
180	0.	0.8237	0.	0.					

GAMMA = 0.2000

ALPHA = 121000

K = 1.200

DC = 2.3215	NR = 1.1307	SR = 1.456523	TR = 88.86	CR = 1.5510	QR = 0.3887E 02					
TIME/BA	S1	M1	B1	S1	X2	B2	S2	K3	B3	S3
0	1.0000	0.9989	1.1408	0.12783	0.9089	1.1408	0.2783			
5	0.9943	0.9935	1.1192	0.12021	0.9145	1.1617	0.2742	2.13653	2.4091	15.0447
10	1.0173	0.9884	1.0968	0.12852	0.9204	1.1829	0.2696	2.1005	2.0715	5.0887
15	1.0599	0.9834	1.0738	0.12860	0.9265	1.2010	0.2647	1.8165	1.9114	2.6480
20	1.1292	0.9886	1.0500	0.12901	0.9328	1.2204	0.2595	1.6980	1.8140	1.6955
25	1.2292	0.9841	1.0265	0.12916	0.9395	1.2387	0.2562	1.6120	1.7472	1.1286
30	1.3600	0.9897	1.0004	0.12924	0.9464	1.2563	0.2488	1.5464	1.6983	0.8264
35	1.5238	0.9875	0.9745	0.12926	0.9537	1.2733	0.2436	1.4914	1.6608	0.6921
40	1.7200	0.9835	0.9480	0.12920	0.9614	1.2897	0.2382	1.4460	1.6310	0.5017
45	1.9475	0.9825	0.9208	0.12907	0.9695	1.3055	0.2333	1.4088	1.6065	0.4102
50	2.2071	0.9830	0.8929	0.12883	0.9782	1.3209	0.2289	1.3783	1.5860	0.3344
55	2.4977	0.9802	0.8644	0.12857	0.9874	1.3358	0.2244	1.3411	1.5683	0.2985
60	2.8224	0.9859	0.8352	0.12821	0.9973	1.3503	0.2191	1.3124	1.5528	0.2619
65	3.1866	0.9836	0.8054	0.12777	1.0082	1.3644	0.2139	1.2854	1.5387	0.2380
70	3.5931	0.9806	0.7750	0.12725	1.0203	1.3789	0.2085	1.2599	1.5256	0.2240
75	4.0415	0.9766	0.7441	0.12665	1.0342	1.3936	0.2035	1.2335	1.5129	0.2214
80	4.5393	0.9740	0.7125	0.12698	1.0500	1.4088	0.1980	1.2060	1.4997	0.2380
85	5.0820	0.9622	0.6804	0.12623	1.0740	1.4249	0.1948	1.1788	1.4861	0.3159
90	5.6747	0.9897	0.6478	0.12440						
95	6.3202	0.9835	0.6147	0.12850						
100	7.0239	0.9832	0.5811	0.12253						
105	7.7875	0.9831	0.5471	0.12148						
110	8.6138	0.9832	0.5126	0.12037						
115	9.5039	0.9825	0.4777	0.11920						
120	10.4564	0.9828	0.4424	0.11797						
125	11.4828	0.9828	0.4068	0.11688						
130	12.5859	0.9829	0.3709	0.11534						
135	13.7671	0.98237	0.3347	0.11395						
140	15.0281	0.98225	0.2981	0.11251						
145	16.3707	0.98216	0.2614	0.11104						
150	0.99978	0.98207	0.2245	0.09953						
155	0.8787	0.98200	0.1873	0.0799						
160	0.7458	0.98194	0.1500	0.0642						
165	0.5841	0.98190	0.1125	0.0482						
170	0.4083	0.98186	0.0751	0.0323						
175	0.2128	0.98184	0.0376	0.0162						
180	0.	0.98186	0.	0.						

GAMMA = 0.2000 ALPHA = 12.000 K = 1.400

DC = 2.3709	XR = 1.1150	BR = 1.409910	TR = 74.80	CR = 1.3056	QR = 0.6036E 02					
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9111	1.1183	0.2695	0.9111	1.1183	0.2695			
5	0.9959	0.9051	1.0970	0.2727	0.9174	1.1390	0.2660	2.12782	2.3193	13.9294
10	1.0223	0.8994	1.0750	0.2754	0.9240	1.1591	0.2622	1.9269	1.9952	4.7129
15	1.0702	0.8939	1.0523	0.2777	0.9309	1.1785	0.2582	1.7500	1.8412	2.4560
20	1.1370	0.8887	1.0289	0.2795	0.9382	1.1973	0.2542	1.6354	1.7471	1.5309
25	1.2210	0.8837	1.0048	0.2808	0.9459	1.2156	0.2503	1.5521	1.6824	1.0554
30	1.3210	0.8789	0.9801	0.2814	0.9540	1.2333	0.2466	1.4873	1.6348	0.7777
35	1.4365	0.8743	0.9547	0.2814	0.9627	1.2505	0.2434	1.4343	1.5979	0.6020
40	1.5679	0.8700	0.9287	0.2807	0.9720	1.2673	0.2410	1.3893	1.5681	0.4849
45	1.7173	0.8658	0.9020	0.2793	0.9821	1.2837	0.2399	1.3499	1.5433	0.4047
50	1.8892	0.8618	0.8746	0.2773	0.9931	1.2999	0.2409	1.3144	1.5219	0.3497
55	2.0943	0.8580	0.8467	0.2745	1.0054	1.3161	0.2455	1.2814	1.5029	0.3140
60	2.3568	0.8543	0.8181	0.2709	1.0194	1.3326	0.2568	1.2497	1.4851	0.2959
65	2.7442	0.8509	0.7889	0.2666	1.0363	1.3501	0.2831	1.2176	1.4677	0.3008
70	3.5404	0.8476	0.7591	0.2616	1.0589	1.3702	0.3591	1.1820	1.4483	0.3611
75	1.0230	0.8445	0.7287	0.2558						
80	1.0983	0.8415	0.6978	0.2493						
85	1.1679	0.8387	0.6664	0.2421						
90	1.2306	0.8360	0.6344	0.2341						
95	1.2851	0.8336	0.6020	0.2254						
100	1.3303	0.8312	0.5691	0.2161						
105	1.3650	0.8290	0.5357	0.2061						
110	1.3880	0.8270	0.5019	0.1954						
115	1.3983	0.8251	0.4678	0.1842						
120	1.3947	0.8234	0.4332	0.1723						
125	1.3764	0.8218	0.3984	0.1600						
130	1.3423	0.8203	0.3632	0.1471						
135	1.2917	0.8190	0.3277	0.1338						
140	1.2238	0.8178	0.2919	0.1200						
145	1.1379	0.8168	0.2560	0.1058						
150	1.0334	0.8159	0.2198	0.0914						
155	0.9100	0.8151	0.1834	0.0766						
160	0.7672	0.8145	0.1469	0.0616						
165	0.6048	0.8140	0.1103	0.0464						
170	0.4228	0.8137	0.0736	0.0310						
175	0.2212	0.8135	0.0368	0.0155						
180	0.	0.8134	0.	0.						

GAMMA = 0.2000 ALPHA = 12.000 K = 1.600

DC = 2.4138	XR = 1.1108	BR = 1.373704	TR = 64.74	CR = 1.1299	QR = 0.4526E 02					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9130	1.1004	0.2637	0.9130	1.1004	0.2637			
5	0.9976	0.9064	1.0791	0.2662	0.9199	1.1210	0.2609	2.2050	2.2449	13.0297
10	1.0277	0.9002	1.0573	0.2684	0.9272	1.1410	0.2581	1.8652	1.9313	4.4112
15	1.0818	0.8942	1.0348	0.2702	0.9349	1.1605	0.2554	1.6940	1.7823	2.3036
20	1.1575	0.8886	1.0117	0.2717	0.9432	1.1794	0.2529	1.5828	1.6909	1.4417
25	1.2538	0.8832	0.9880	0.2726	0.9520	1.1979	0.2509	1.5016	1.6278	1.0005
30	1.3706	0.8780	0.9636	0.2730	0.9614	1.2160	0.2497	1.4379	1.5810	0.7446
35	1.5093	0.8731	0.9385	0.2727	0.9717	1.2338	0.2500	1.3853	1.5442	0.5847
40	1.6742	0.8684	0.9129	0.2719	0.9830	1.2514	0.2525	1.3399	1.5140	0.4810
45	1.8753	0.8640	0.8866	0.2705	0.9956	1.2691	0.2591	1.2993	1.4881	0.4143
50	2.1363	0.8597	0.8596	0.2683	1.0102	1.2872	0.2731	1.2615	1.4649	0.3766
55	2.5235	0.8556	0.8321	0.2655	1.0278	1.3065	0.3041	1.2242	1.4426	0.3704
60	3.3186	0.8518	0.8039	0.2620	1.0515	1.3289	0.3917	1.1837	1.4188	0.4311
65	0.8892	0.8481	0.7752	0.2578						
70	0.9748	0.8446	0.7459	0.2529						
75	1.0569	0.8413	0.7160	0.2472						
80	1.1345	0.8382	0.6856	0.2409						
85	1.2061	0.8353	0.6547	0.2338						
90	1.2707	0.8325	0.6233	0.2261						
95	1.3268	0.8299	0.5914	0.2177						
100	1.3733	0.8274	0.5591	0.2086						
105	1.4089	0.8251	0.5263	0.1989						
110	1.4325	0.8230	0.4931	0.1886						
115	1.4430	0.8210	0.4595	0.1778						
120	1.4392	0.8192	0.4256	0.1663						
125	1.4202	0.8175	0.3913	0.1544						
130	1.3849	0.8160	0.3567	0.1420						
135	1.3326	0.8146	0.3219	0.1291						
140	1.2624	0.8134	0.2868	0.1158						
145	1.1738	0.8123	0.2514	0.1021						
150	1.0660	0.8114	0.2159	0.0882						
155	0.9386	0.8106	0.1802	0.0739						
160	0.7913	0.8100	0.1443	0.0594						
165	0.6238	0.8095	0.1083	0.0447						
170	0.4361	0.8091	0.0723	0.0299						
175	0.2281	0.8089	0.0361	0.0150						
180	0.	0.8088	0.	0.						

GAMMA = 0.2000

ALPHA = 12.000

K = 1.800

DC = 2.4517 XR = 1.1075 BR = 1.344750 TR = 57.14 CR = 0.9973 QR = 0.3603E 02										
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9145	1.0856	0.12600	0.9145	1.0856	0.12600			
5	0.9995	0.9074	1.0645	0.12617	0.9221	1.1069	0.2582	2.1421	2.1808	12.2857
10	1.0338	0.9007	1.0427	0.2633	0.9901	1.1264	0.2566	1.8123	1.8766	4.1626
15	1.0948	0.8943	1.0204	0.2647	0.9387	1.1460	0.2553	1.6461	1.7319	2.1793
20	1.1811	0.8882	0.9974	0.2657	0.9480	1.1653	0.2548	1.5376	1.6427	1.3710
25	1.2924	0.8824	0.9739	0.2662	0.9580	1.1842	0.2554	1.4579	1.5807	0.9594
30	1.4309	0.8770	0.9497	0.2663	0.9689	1.2030	0.2579	1.3948	1.5341	0.7231
35	1.6026	0.8718	0.9250	0.2659	0.9811	1.2217	0.2638	1.3419	1.4970	0.5790
40	1.8220	0.8668	0.8996	0.2649	0.9950	1.2408	0.2755	1.2953	1.4657	0.4913
45	2.1269	0.8621	0.8736	0.2633	1.0113	1.2607	0.2993	1.2521	1.4377	0.4467
50	2.6422	0.8578	0.8470	0.2611	1.0321	1.2829	0.3551	1.2089	1.4105	0.4542
55	4.1279	0.8533	0.8198	0.2582	1.0646	1.3122	0.5901	1.1576	1.3781	0.6545
60	0.8265	0.8493	0.7920	0.2547						
65	0.9166	0.8454	0.7636	0.2505						
70	1.0045	0.8418	0.7347	0.2457						
75	1.0888	0.8383	0.7053	0.2401						
80	1.1685	0.8351	0.6753	0.2339						
85	1.2420	0.8320	0.6448	0.2270						
90	1.3082	0.8291	0.6139	0.2195						
95	1.3657	0.8264	0.5824	0.2113						
100	1.4133	0.8238	0.5506	0.2024						
105	1.4498	0.8214	0.5183	0.1930						
110	1.4739	0.8192	0.4856	0.1830						
115	1.4845	0.8172	0.4525	0.1724						
120	1.4805	0.8153	0.4191	0.1613						
125	1.4607	0.8135	0.3853	0.1497						
130	1.4244	0.8119	0.3513	0.1376						
135	1.3705	0.8105	0.3169	0.1251						
140	1.2982	0.8092	0.2824	0.1123						
145	1.2070	0.8081	0.2475	0.0990						
150	1.0961	0.8072	0.2126	0.0855						
155	0.9651	0.8063	0.1774	0.0716						
160	0.8136	0.8057	0.1421	0.0576						
165	0.6414	0.8052	0.1067	0.0433						
170	0.4484	0.8048	0.0712	0.0290						
175	0.2345	0.8046	0.0356	0.0145						
180	0.	0.8045	0.	0.						

GAMMA = 0.2000

ALPHA = 12.000

K = 2.000

DC = 2.14857 XR = 1.1049 BR = 1.321057 TR = 51.18 CR = 0.8933 QR = 0.2987E 02										
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9159	1.0733	0.12579	0.9159	1.0733	0.2579			
5	1.0015	0.9082	1.0521	0.2588	0.9241	1.0941	0.2572	2.0876	2.1253	11.6563
10	1.0403	0.9010	1.0304	0.2597	0.9328	1.1144	0.2569	1.7665	1.8290	3.9538
15	1.1093	0.8942	1.0081	0.2605	0.9423	1.1343	0.2575	1.6043	1.6879	2.0767
20	1.2078	0.8877	0.9853	0.2610	0.9526	1.1540	0.2594	1.4979	1.6004	1.3146
25	1.3377	0.8816	0.9619	0.2612	0.9639	1.1736	0.2636	1.4192	1.5391	0.9294
30	1.5051	0.8758	0.9379	0.2610	0.9766	1.1933	0.2717	1.3562	1.4925	0.7120
35	1.7264	0.8704	0.9133	0.2603	0.9911	1.2135	0.2869	1.3023	1.4544	0.5858
40	2.0457	0.8652	0.8881	0.2591	1.0086	1.2349	0.3172	1.2533	1.4210	0.5225
45	2.6237	0.8602	0.8624	0.2574	1.0313	1.2593	0.3914	1.2047	1.3888	0.5323
50	5.2318	0.8555	0.8361	0.2551	1.0710	1.2949	0.8303	1.1435	1.3481	0.9254
55	0.7569	0.8511	0.8091	0.2522						
60	0.8503	0.8468	0.7817	0.2486						
65	0.9427	0.8428	0.7536	0.2444						
70	1.0327	0.8390	0.7251	0.2396						
75	1.1191	0.8354	0.6960	0.2341						
80	1.2006	0.8320	0.6663	0.2280						
85	1.2758	0.8288	0.6362	0.2212						
90	1.3435	0.8258	0.6057	0.2138						
95	1.4023	0.8230	0.5746	0.2058						
100	1.4510	0.8204	0.5432	0.1972						
105	1.4882	0.8179	0.5113	0.1880						
110	1.5127	0.8156	0.4790	0.1782						
115	1.5234	0.8135	0.4464	0.1679						
120	1.5190	0.8115	0.4134	0.1570						
125	1.4986	0.8097	0.3801	0.1457						
130	1.4612	0.8081	0.3465	0.1340						
135	1.4058	0.8066	0.3126	0.1218						
140	1.3316	0.8053	0.2785	0.1092						
145	1.2379	0.8042	0.2442	0.0963						
150	1.1241	0.8032	0.2096	0.0831						
155	0.9897	0.8023	0.1750	0.0697						
160	0.8343	0.8016	0.1401	0.0560						
165	0.6577	0.8011	0.1052	0.0422						
170	0.4598	0.8007	0.0702	0.0282						
175	0.2405	0.8005	0.0351	0.0141						
180	0.	0.8004	0.	0.						

GAMMA=0.2000 ALPHA=12.000 K= 2.200

DC= 2.5166 XR= 1.10282 BR= 1.30130
TR=46.3751 CR= 0.80940 QR=25.47491

THETA	ST	X1	B1	S1
0	1.0000	0.9170	1.0629	0.2570
5	1.0035	0.9088	1.0416	0.2570
10	1.0073	0.9012	1.0198	0.2572
15	1.1254	0.8939	0.9976	0.2573
20	1.1383	0.8871	0.9748	0.2574
25	1.13910	0.8807	0.9515	0.2572
30	1.15962	0.8747	0.9276	0.2567
35	1.19003	0.8689	0.9032	0.2557
40	1.24430	0.8635	0.8782	0.2543
45	1.31770	0.8583	0.8526	0.2524
50	1.40822	0.8534	0.8265	0.2500
55	1.51776	0.8488	0.7998	0.2470
60	1.64732	0.8444	0.7726	0.2434
65	1.79676	0.8403	0.7449	0.2392
70	1.95955	0.8363	0.7166	0.2344
75	1.1478	0.8326	0.6878	0.2290
80	1.2310	0.8291	0.6585	0.2229
85	1.3079	0.8258	0.6287	0.2162
90	1.3769	0.8227	0.5985	0.2089
95	1.4369	0.8198	0.5678	0.2011
100	1.4865	0.8171	0.5367	0.1926
105	1.5243	0.8145	0.5051	0.1836
110	1.5492	0.8122	0.4732	0.1740
115	1.5599	0.8100	0.4410	0.1639
120	1.5553	0.8080	0.4084	0.1533
125	1.5342	0.8061	0.3755	0.1422
130	1.4957	0.8045	0.3423	0.1307
135	1.4389	0.8029	0.3088	0.1189
140	1.3628	0.8016	0.2751	0.1066
145	1.2669	0.8004	0.2412	0.0940
150	1.1564	0.7994	0.2071	0.0811
155	1.0128	0.7985	0.1728	0.0680
160	0.8537	0.7978	0.1384	0.0547
165	0.6730	0.7973	0.1039	0.0411
170	0.4704	0.7969	0.0693	0.0275
175	0.2461	0.7966	0.0347	0.0138
180	0.	0.7966	0.	0.

GAMMA=0.2000 ALPHA=12.000 K= 2.600

DC= 2.5712 XR= 1.09959 BR= 1.27023
TR=39.0779 CR= 0.68204 QR=19.66156

THETA	ST	X1	B1	S1
0	1.0000	0.9190	1.0461	0.2579
5	1.0080	0.9097	1.0245	0.2558
10	1.0635	0.9012	1.0025	0.2543
15	1.1628	0.8932	0.9802	0.2532
20	1.3122	0.8857	0.9574	0.2523
25	1.5314	0.8788	0.9342	0.2512
30	1.8840	0.8722	0.9105	0.2500
35	2.4755	0.8660	0.8863	0.2486
40	3.5238	0.8601	0.8615	0.2468
45	5.6194	0.8546	0.8363	0.2445
50	8.7174	0.8494	0.8105	0.2418
55	13.168	0.8444	0.7842	0.2387
60	20.9162	0.8398	0.7574	0.2349
65	33.1043	0.8354	0.7301	0.2307
70	51.1099	0.8312	0.7022	0.2259
75	76.2015	0.8273	0.6739	0.2205
80	109.2878	0.8236	0.6451	0.2145
85	156.3674	0.8201	0.6159	0.2080
90	224.390	0.8168	0.5862	0.2009
95	321.5010	0.8138	0.5561	0.1932
100	465.521	0.8109	0.5256	0.1850
105	671.5911	0.8082	0.4947	0.1762
110	961.6166	0.8058	0.4634	0.1670
115	1362.73	0.8035	0.4318	0.1573
120	1922.0	0.8014	0.3998	0.1471
125	2759.97	0.7994	0.3676	0.1364
130	4059.2	0.7977	0.3351	0.1254
135	6099.7	0.7961	0.3023	0.1140
140	9202.0	0.7947	0.2693	0.1022
145	13760.0	0.7935	0.2361	0.0901
150	20985	0.7924	0.2027	0.0778
155	32050	0.7915	0.1692	0.0652
160	48893	0.7908	0.1355	0.0524
165	73010	0.7902	0.1017	0.0394
170	10900	0.7898	0.0678	0.0263
175	16563	0.7895	0.0339	0.0132
180	0.	0.7894	0.	0.

GAMMA=0.2000 ALPHA=12.000 K= 3.000

DC= 2.6183 XR= 1.09722 BR= 1.24690
TR=33.7899 CR= 0.58975 QR=16.00107

THETA	ST	X1	B1	S1
0	1.0000	0.9205	1.0332	0.2612
5	1.0129	0.9102	1.0111	0.2567
10	1.0321	0.9009	0.9889	0.2535
15	1.2081	0.8922	0.9664	0.2510
20	1.4091	0.8842	0.9435	0.2490
25	1.7474	0.8767	0.9203	0.2471
30	2.5461	0.8696	0.8966	0.2453
35	3.9540	0.8630	0.8725	0.2433
40	5.9496	0.8568	0.8480	0.2410
45	8.6488	0.8510	0.8229	0.2385
50	12.7359	0.8455	0.7974	0.2355
55	18.8934	0.8403	0.7714	0.2321
60	27.9562	0.8354	0.7449	0.2283
65	40.9577	0.8307	0.7179	0.2239
70	59.964	0.8264	0.6904	0.2191
75	87.9510	0.8223	0.6625	0.2137
80	127.930	0.8184	0.6342	0.2078
85	182.90	0.8148	0.6053	0.2013
90	267.87	0.8114	0.5761	0.1944
95	397.84	0.8082	0.5465	0.1869
100	591.81	0.8052	0.5164	0.1788
105	871.78	0.8024	0.4860	0.1703
110	1277.75	0.7999	0.4553	0.1613
115	1858.72	0.7975	0.4242	0.1519
120	2759.69	0.7953	0.3928	0.1420
125	4090.66	0.7933	0.3611	0.1317
130	6166.63	0.7915	0.3291	0.1210
135	9246.60	0.7899	0.2969	0.1100
140	13926.57	0.7884	0.2645	0.0986
145	20906.54	0.7871	0.2319	0.0869
150	31386.51	0.7860	0.1991	0.0750
155	47266.48	0.7851	0.1661	0.0628
160	70946.45	0.7843	0.1330	0.0505
165	109266.42	0.7837	0.0999	0.0380
170	169046.39	0.7833	0.0666	0.0254
175	259826.36	0.7831	0.0333	0.0127
180	0.	0.7830	0.	0.

GAMMA=0.2000 ALPHA=12.000 K= 4.000

DC= 2.7147 XR= 1.09337 BR= 1.20790
TR=25.2824 CR= 0.44126 QR=10.92047

THETA	ST	X1	B1	S1
0	1.0000	0.9232	1.0111	0.2756
5	1.0274	0.9106	0.9875	0.2640
10	1.1415	0.8993	0.9643	0.2559
15	1.3697	0.8891	0.9412	0.2499
20	1.8659	0.8798	0.9179	0.2453
25	2.8140	0.8712	0.8945	0.2413
30	4.4067	0.8632	0.8708	0.2379
35	6.9555	0.8558	0.8468	0.2346
40	10.6089	0.8489	0.8224	0.2313
45	16.7160	0.8424	0.7977	0.2279
50	25.8253	0.8363	0.7726	0.2243
55	39.9358	0.8306	0.7470	0.2204
60	60.0459	0.8252	0.7211	0.2162
65	90.1543	0.8202	0.6947	0.2117
70	135.2596	0.8154	0.6679	0.2067
75	205.3664	0.8110	0.6407	0.2012
80	310.4550	0.8068	0.6131	0.1954
85	465.5420	0.8029	0.5851	0.1891
90	690.6159	0.7992	0.5567	0.1823
95	1020.6871	0.7958	0.5279	0.1751
100	1512.7423	0.7926	0.4988	0.1674
105	2240.7838	0.7897	0.4694	0.1593
110	3380.8104	0.7869	0.4396	0.1508
115	5080.8206	0.7844	0.4095	0.1418
120	7580.8131	0.7821	0.3791	0.1325
125	11280.7867	0.7799	0.3485	0.1228
130	17040.7413	0.7780	0.3176	0.1128
135	25680.6728	0.7763	0.2865	0.1025
140	38880.5833	0.7747	0.2552	0.0918
145	58440.4709	0.7734	0.2237	0.0809
150	88000.3349	0.7722	0.1920	0.0698
155	132560.1747	0.7712	0.1602	0.0585
160	200800.0989	0.7704	0.1283	0.0470
165	300800.0782	0.7698	0.0963	0.0354
170	450800.0552	0.7693	0.0643	0.0236
175	680800.0285	0.7690	0.0321	0.0118
180	0.	0.7690	0.	0.

GAMMA=0.2000 ALPHA=12.000 K= 6.000

CC= 2.8558 XR= 1.008951 BR= 1.16747
TR=16.8435 CR= 0.29397 QR= 6.68824

THETA	ST	X1	B1	S1
0	1.0000	0.9262	0.9872	0.3165
5	1.0670	0.9092	0.9603	0.2866
10	1.1345	0.8898	0.9348	0.2678
15	1.2435	0.8821	0.9101	0.2546
20	0.2751	0.8708	0.8859	0.2448
25	0.3779	0.8606	0.8618	0.2372
30	0.4836	0.8512	0.8378	0.2309
35	0.5949	0.8427	0.8137	0.2254
40	0.7158	0.8347	0.7894	0.2204
45	0.8300	0.8274	0.7649	0.2157
50	0.9512	0.8205	0.7402	0.2111
55	1.0720	0.8141	0.7152	0.2064
60	1.1941	0.8082	0.6898	0.2016
65	1.3130	0.8026	0.6642	0.1966
70	1.4280	0.7974	0.6382	0.1913
75	1.5377	0.7925	0.6118	0.1857
80	1.6444	0.7879	0.5852	0.1799
85	1.7345	0.7837	0.5582	0.1736
90	1.8184	0.7797	0.5309	0.1671
95	1.8954	0.7760	0.5033	0.1602
100	1.9490	0.7725	0.4753	0.1529
105	1.9925	0.7693	0.4471	0.1453
110	2.0194	0.7663	0.4186	0.1373
115	2.0284	0.7636	0.3899	0.1290
120	2.0179	0.7611	0.3609	0.1204
125	1.9866	0.7588	0.3316	0.1115
130	1.9334	0.7567	0.3022	0.1023
135	1.8570	0.7549	0.2725	0.0929
140	1.7564	0.7532	0.2427	0.0832
145	1.6308	0.7518	0.2127	0.0733
150	1.4793	0.7505	0.1826	0.0632
155	1.3013	0.7495	0.1524	0.0529
160	1.0962	0.7486	0.1220	0.0425
165	0.8637	0.7479	0.0916	0.0320
170	0.6035	0.7474	0.0611	0.0214
175	0.3156	0.7472	0.0306	0.0107
180	0.	0.7471	0.	0.

GAMMA=0.2000 ALPHA=12.000 K= 8.000

CC= 2.9610 XR= 1.008757 BR= 1.14667
TR=12.6365 CR= 0.22055 QR= 4.82480

THETA	ST	X1	B1	S1
0	1.0000	0.9278	0.9746	0.3639
5	1.1234	0.9068	0.9441	0.3115
10	1.1795	0.8897	0.9164	0.2810
15	0.2232	0.8751	0.8943	0.2615
20	0.3248	0.8623	0.8651	0.2468
25	0.4342	0.8509	0.8404	0.2360
30	0.5511	0.8406	0.8160	0.2274
35	0.6713	0.8312	0.7917	0.2203
40	0.7968	0.8227	0.7674	0.2140
45	0.9252	0.8147	0.7430	0.2083
50	1.0554	0.8074	0.7185	0.2028
55	1.1859	0.8006	0.6937	0.1975
60	1.3152	0.7942	0.6688	0.1923
65	1.4418	0.7883	0.6436	0.1869
70	1.5640	0.7826	0.6181	0.1814
75	1.6820	0.7776	0.5923	0.1758
80	1.7887	0.7728	0.5663	0.1698
85	1.8879	0.7683	0.5400	0.1637
90	1.9759	0.7642	0.5134	0.1572
95	2.0511	0.7603	0.4865	0.1505
100	2.1118	0.7566	0.4594	0.1435
105	2.1564	0.7533	0.4320	0.1362
110	2.1832	0.7502	0.4044	0.1286
115	2.1907	0.7474	0.3765	0.1207
120	2.1775	0.7447	0.3485	0.1125
125	2.1421	0.7424	0.3202	0.1041
130	2.0832	0.7402	0.2917	0.0955
135	1.9997	0.7383	0.2630	0.0866
140	1.8904	0.7365	0.2342	0.0775
145	1.7543	0.7350	0.2053	0.0683
150	1.5907	0.7337	0.1762	0.0588
155	1.3988	0.7326	0.1470	0.0493
160	1.1780	0.7317	0.1177	0.0395
165	0.9280	0.7311	0.0883	0.0297
170	0.6483	0.7306	0.0589	0.0199
175	0.3390	0.7303	0.0295	0.0090
180	0.	0.7302	0.	0.

GAMMA=0.2000 ALPHA=12.000 K=10.000

CC= 3.0462 XR= 1.008640 BR= 1.13399
TR=10.1132 CR= 0.17651 QR= 3.77503

THETA	ST	X1	B1	S1
0	1.0000	0.9289	0.9668	0.4140
5	1.2033	0.9040	0.9328	0.3353
10	0.1526	0.8846	0.9031	0.2933
15	0.2552	0.8684	0.8757	0.2670
20	0.3663	0.8545	0.8496	0.2489
25	0.4845	0.8422	0.8244	0.2355
30	0.6088	0.8312	0.7997	0.2252
35	0.7351	0.8213	0.7752	0.2166
40	0.8715	0.8122	0.7509	0.2093
45	1.0075	0.8038	0.7265	0.2028
50	1.1450	0.7961	0.7021	0.1968
55	1.2824	0.7890	0.6776	0.1911
60	1.4193	0.7824	0.6529	0.1855
65	1.5510	0.7763	0.6280	0.1799
70	1.6789	0.7705	0.6029	0.1742
75	1.8053	0.7652	0.5776	0.1684
80	1.9133	0.7602	0.5520	0.1625
85	2.0163	0.7556	0.5262	0.1564
90	2.1074	0.7513	0.5001	0.1500
95	2.1850	0.7473	0.4738	0.1434
100	2.2472	0.7435	0.4473	0.1366
105	2.2923	0.7401	0.4206	0.1295
110	2.3187	0.7369	0.3936	0.1221
115	2.3249	0.7340	0.3664	0.1146
120	2.3091	0.7313	0.3390	0.1068
125	2.2731	0.7289	0.3115	0.0987
130	2.2064	0.7266	0.2837	0.0903
135	2.1168	0.7247	0.2558	0.0820
140	2.0032	0.7229	0.2278	0.0734
145	1.8555	0.7214	0.1996	0.0646
150	1.6819	0.7200	0.1713	0.0556
155	1.4766	0.7189	0.1429	0.0466
160	1.2449	0.7180	0.1144	0.0374
165	0.9805	0.7173	0.0859	0.0281
170	0.6849	0.7168	0.0573	0.0188
175	0.3581	0.7165	0.0286	0.0094
180	0.	0.7164	0.	0.

GAMMA=0.2000 ALPHA=12.000 K=20.000

CC= 3.2371 XR= 1.008405 BR= 1.13817
TR= 4.0631 CR= 0.07091 QR= 1.91004

THETA	ST	X1	B1	S1
0	1.0000	0.9309	0.9524	0.6716
5	0.1117	0.8899	0.9038	0.4294
10	0.2470	0.8624	0.8635	0.3357
15	0.3867	0.8412	0.8317	0.2860
20	0.5307	0.8238	0.8030	0.2550
25	0.6795	0.8089	0.7760	0.2336
30	0.8326	0.7960	0.7503	0.2178
35	0.9896	0.7845	0.7253	0.2054
40	1.1494	0.7741	0.7008	0.1952
45	1.3118	0.7647	0.6766	0.1866
50	1.4724	0.7561	0.6526	0.1790
55	1.6326	0.7482	0.6287	0.1720
60	1.7898	0.7409	0.6048	0.1655
65	1.9422	0.7342	0.5809	0.1593
70	2.0879	0.7280	0.5570	0.1532
75	2.2251	0.7222	0.5329	0.1472
80	2.3519	0.7168	0.5088	0.1412
85	2.4662	0.7119	0.4845	0.1352
90	2.5661	0.7072	0.4600	0.1292
95	2.6497	0.7029	0.4355	0.1230
100	2.7151	0.6990	0.4108	0.1167
105	2.7604	0.6953	0.3859	0.1102
110	2.7838	0.6919	0.3609	0.1037
115	2.7834	0.6888	0.3358	0.0970
120	2.7577	0.6860	0.3105	0.0901
125	2.7033	0.6834	0.2851	0.0832
130	2.6239	0.6811	0.2596	0.0761
135	2.5129	0.6790	0.2339	0.0686
140	2.3707	0.6771	0.2082	0.0615
145	2.1962	0.6755	0.1824	0.0541
150	1.9884	0.6741	0.1565	0.0465
155	1.7463	0.6729	0.1305	0.0389
160	1.4692	0.6719	0.1045	0.0312
165	1.1564	0.6712	0.0784	0.0234
170	0.8074	0.6707	0.0523	0.0157
175	0.4228	0.6703	0.0261	0.0078
180	0.	0.6702	0.	0.

BAMBA * 0.4080 ALPHA * 81000 K * 0.200

BC * 1.8455 X0 * 1.7815 BD * 2.468623 M2 * -0.2356E 01

ITERA	S1	S2	S3	S4	S5	S6	S7	S8	S9
0	1.0000	0.8411	1.5307	0.5842	0.8411	1.5307	0.6752		
5	0.9988	0.8383	1.4971	0.5923	0.8440	1.5537	0.6750	3.8973	40.8255
10	1.0002	0.8358	1.4627	0.5818	0.8468	1.5529	0.6742	3.1255	13.8025
15	1.0023	0.8329	1.4283	0.5791	0.8497	1.5624	0.6725	2.9923	7.1682
20	1.0070	0.8303	1.3919	0.5753	0.8527	1.5681	0.6702	2.7976	4.4333
25	1.0127	0.8277	1.3555	0.5705	0.8556	1.5681	0.6673	2.6573	3.0151
30	1.0195	0.8252	1.3185	0.5648	0.8586	1.5714	0.6639	2.5498	2.0010
35	1.0241	0.8228	1.2806	0.5577	0.8616	1.5749	0.6596	2.4638	1.6361
40	1.0283	0.8203	1.2425	0.5497	0.8647	1.5787	0.6550	2.3929	1.2868
45	1.0309	0.8179	1.2036	0.5407	0.8677	1.5807	0.6500	2.3331	1.0029
50	1.0327	0.8156	1.1641	0.5306	0.8708	1.5829	0.6445	2.2819	0.8079
55	1.0347	0.8134	1.1240	0.5195	0.8739	1.5852	0.6388	2.2375	0.6599
60	1.0365	0.8113	1.0834	0.5074	0.8769	1.5872	0.6334	2.1984	0.5452
65	1.0387	0.8092	1.0423	0.4949	0.8800	1.5902	0.6285	2.1638	0.4546
70	1.0422	0.8072	1.0006	0.4803	0.8831	1.5926	0.6193	2.1330	0.3821
75	1.0417	0.8053	0.9585	0.4653	0.8862	1.5949	0.6124	2.1052	0.3234
80	1.0494	0.8034	0.9159	0.4494	0.8892	1.5968	0.6055	2.0802	0.2752
85	2.1052	0.8017	0.8729	0.4324	0.8923	1.5987	0.5986	2.0575	0.2356
90	2.1695	0.8000	0.8294	0.4150	0.8953	2.0181	0.5914	2.0368	0.2025
95	2.2484	0.7984	0.7856	0.3965	0.8984	2.0297	0.5845	2.0179	0.1750
100	2.3248	0.7969	0.7419	0.3775	0.9015	2.0403	0.5776	2.0006	0.1517
105	2.3967	0.7954	0.6967	0.3578	0.9045	2.0509	0.5709	1.9846	0.1321
110	2.4628	0.7941	0.6518	0.3386	0.9075	2.0606	0.5645	1.9700	0.1165
115	2.5258	0.7928	0.6065	0.3185	0.9102	2.0704	0.5581	1.9564	0.1013
120	2.5818	0.7917	0.5610	0.2983	0.9131	2.0799	0.5521	1.9439	0.0893
125	2.6322	0.7906	0.5152	0.2772	0.9160	2.0893	0.5464	1.9322	0.0790
130	2.6766	0.7896	0.4691	0.2562	0.9188	2.0987	0.5411	1.9214	0.0703
135	2.7147	0.7887	0.4229	0.2345	0.9216	2.1082	0.5362	1.9114	0.0630
140	2.7465	0.7879	0.3764	0.2109	0.9243	2.1177	0.5318	1.9021	0.0567
145	2.7721	0.7872	0.3297	0.1868	0.9270	2.1268	0.5277	1.8934	0.0516
150	2.7914	0.7866	0.2829	0.1620	0.9298	2.1358	0.5241	1.8852	0.0472
155	2.8047	0.7862	0.2360	0.1371	0.9322	2.1448	0.5211	1.8777	0.0437
160	2.8121	0.7856	0.1889	0.1120	0.9348	2.1533	0.5186	1.8705	0.0409
165	2.8141	0.7853	0.1318	0.0768	0.9373	2.1618	0.5166	1.8646	0.0388
170	2.8209	0.7851	0.0745	0.0323	0.9397	2.1694	0.5152	1.8578	0.0373
175	2.8231	0.7849	0.0167	0.0023	0.9421	2.1759	0.5143	1.8520	0.0365
180	2.8213	0.7849	0.	0.	0.9445	2.1826	0.5141	1.8466	0.0362

BAMBA * 0.4000 ALPHA * 81000 K * 0.200

BC * 2.0879 X0 * 1.1626 BD * 2.1226336 M2 * -0.2195E 01

ITERA	S1	S2	S3	S4	S5	S6	S7	S8	S9
0	1.0000	0.8459	1.6090	0.1493	0.8459	2.1409	0.6808		
5	0.9891	0.8453	1.5783	0.1493	0.8525	2.1537	0.6808	2.1528	33.3940
10	1.0022	0.8418	1.5455	0.1492	0.8562	2.1608	0.6808	2.1950	11.2584
15	1.0031	0.8392	1.5143	0.1490	0.8600	2.1696	0.6808	2.1726	5.8524
20	1.0028	0.8349	1.4815	0.1489	0.8638	2.1527	0.6859	2.1587	3.8208
25	1.0125	0.8316	1.4480	0.1485	0.8677	2.1551	0.6808	2.1406	2.4544
30	1.0166	0.8284	1.4138	0.1478	0.8716	2.1679	0.6847	2.1325	1.7810
35	1.0253	0.8253	1.3791	0.1470	0.8756	2.1807	0.6822	2.1250	1.3413
40	1.0300	0.8223	1.3438	0.1465	0.8796	2.1929	0.6849	2.1171	1.0406
45	1.0311	0.8193	1.3080	0.1458	0.8837	2.2055	0.6819	2.1174	0.8253
50	1.0395	0.8165	1.2716	0.1450	0.8878	2.2177	0.6824	2.1079	0.6878
55	1.0428	0.8137	1.2347	0.1440	0.8919	2.2272	0.6819	2.1003	0.5475
60	1.0472	0.8110	0.9972	0.1430	0.8961	2.2368	0.6814	2.0946	0.4543
65	1.0461	0.8084	0.9593	0.1419	0.9002	2.2442	0.6808	2.0929	0.3807
70	1.0518	0.8059	0.9209	0.1407	0.9044	2.2520	0.6803	2.0945	0.3218
75	1.0405	0.8036	0.8821	0.1394	0.9085	2.2603	0.6826	2.0989	0.2740
80	2.0275	0.8013	0.8428	0.1382	0.9128	2.2688	0.6856	2.0957	0.2348
85	2.1118	0.7991	0.8032	0.1369	0.9171	2.2782	0.6882	2.0945	0.2024
90	2.1926	0.7970	0.7631	0.1351	0.9213	2.2845	0.6870	2.0941	0.1754
95	2.2694	0.7950	0.7227	0.1338	0.9255	2.2906	0.6863	2.0927	0.1528
100	2.3415	0.7932	0.6819	0.1319	0.9297	2.2977	0.6858	2.0910	0.1337
105	2.4084	0.7914	0.6409	0.1302	0.9339	2.3050	0.6849	2.0908	0.1176
110	2.4694	0.7898	0.5995	0.1288	0.9381	2.3092	0.6842	2.0918	0.1039
115	2.5251	0.7882	0.5578	0.1267	0.9423	2.3122	0.6836	2.0918	0.0922
120	2.5744	0.7868	0.5159	0.1248	0.9465	2.3153	0.6830	2.0917	0.0822
125	2.6169	0.7855	0.4737	0.1229	0.9506	2.3183	0.6824	2.0917	0.0737
130	2.6527	0.7843	0.4314	0.1210	0.9547	2.3215	0.6819	2.0917	0.0664
135	2.6817	0.7832	0.3888	0.1191	0.9588	2.3247	0.6814	2.0917	0.0603
140	2.7099	0.7822	0.3460	0.1179	0.9628	2.3279	0.6809	2.0917	0.0551
145	2.7359	0.7813	0.3031	0.1149	0.9667	2.3309	0.6805	2.0917	0.0507
150	2.7588	0.7806	0.2601	0.1128	0.9707	2.3341	0.6801	2.0917	0.0471
155	2.7731	0.7799	0.2169	0.1097	0.9746	2.3372	0.6800	2.0917	0.0441
160	2.7784	0.7794	0.1736	0.1066	0.9785	2.3403	0.6801	2.0917	0.0418
165	2.7719	0.7790	0.1303	0.1034	0.9823	2.3434	0.6802	2.0917	0.0407
170	2.7662	0.7787	0.0869	0.1042	0.9860	2.3465	0.6803	2.0917	0.0387
175	2.7682	0.7785	0.0435	0.1023	0.9897	2.3496	0.6803	2.0917	0.0380
180	2.7664	0.7785	0.	0.	0.9933	2.3526	0.6803	2.0917	0.0377

GAMMA = 0.4000 ALPHA = 8.000 K = 0.400

DC = 2.1298	NR = 1.2035	BR = 2.065627	TR = 52.45	CR = 7.1224	QR = 0.4205E 05
THETA	S0	S1	S2	S3	S4
0	1.0000	0.18547	1.12321	0.14412	0.8547
5	0.9998	0.18504	1.12028	0.14418	0.8591
10	1.0049	0.18402	1.12730	0.14405	0.8536
15	1.0253	0.18421	1.12425	0.14388	0.8581
20	1.0798	0.18381	1.12113	0.14363	0.8728
25	1.1557	0.18342	1.11796	0.14329	0.8875
30	1.2015	0.18304	1.11473	0.14287	0.8923
35	1.2261	0.18267	1.11144	0.14236	0.8972
40	1.2595	0.18231	1.10809	0.14176	0.8922
45	1.3182	0.18197	1.10470	0.14107	0.8972
50	1.5039	0.18163	1.10125	0.14031	0.9023
55	1.5923	0.18132	0.99775	0.13946	0.9075
60	1.5821	0.18100	0.99420	0.13853	0.9127
65	1.7324	0.18070	0.99061	0.13753	0.9179
70	1.8021	0.18042	0.98698	0.13645	0.9233
75	1.9502	0.18013	0.98330	0.13532	0.9286
80	2.0359	0.17986	0.97958	0.13407	0.9340
85	2.1188	0.17962	0.97582	0.13278	0.9395
90	2.1968	0.17937	0.97204	0.13142	0.9449
95	2.2706	0.17914	0.96821	0.13001	0.9505
100	2.3389	0.17893	0.96435	0.12854	0.9560
105	2.4014	0.17873	0.96048	0.12701	0.9615
110	2.4578	0.17854	0.95655	0.12544	0.9671
115	2.5075	0.17836	0.95263	0.12381	0.9727
120	2.5509	0.17820	0.94867	0.12215	0.9783
125	2.5860	0.17804	0.94469	0.12044	0.9839
130	2.6246	0.17791	0.94069	0.11870	0.9896
135	2.6560	0.17779	0.93667	0.11692	0.9952
140	2.6802	0.17767	0.93263	0.11511	1.0008
145	2.6976	0.17757	0.92858	0.11328	1.0064
150	2.7080	0.17743	0.92452	0.11143	1.0120
155	2.7121	0.17731	0.92045	0.10955	1.0175
160	2.7102	0.17723	0.91637	0.10766	1.0232
165	2.7025	0.17710	0.91228	0.10574	1.0287
170	2.6891	0.17702	0.90819	0.10384	1.0343
175	2.6732	0.17695	0.90410	0.10192	1.0398
180	2.6547	0.17724	0.	0.	1.0453

GAMMA = 0.4000 ALPHA = 8.000 K = 0.500

DC = 2.2285	NR = 1.2527	BR = 1.917963	TR = 136.21	CR = 3.9058	QR = 0.8319E 03
THETA	S0	S1	S2	S3	S4
0	1.0000	0.8594	1.2777	0.4073	0.8594
5	0.9891	0.8544	1.2496	0.4074	0.8644
10	1.0023	0.8494	1.2208	0.4067	0.8694
15	1.0319	0.8449	1.1915	0.4051	0.8749
20	1.0749	0.8403	1.1615	0.4027	0.8804
25	1.1288	0.8359	1.1310	0.3996	0.8859
30	1.1918	0.8316	1.0998	0.3955	0.8916
35	1.2622	0.8274	1.0682	0.3907	0.8973
40	1.3383	0.8233	1.0360	0.3851	0.9032
45	1.4186	0.8194	1.0033	0.3787	0.9092
50	1.5017	0.8156	0.9701	0.3715	0.9153
55	1.5863	0.8120	0.9365	0.3635	0.9215
60	1.6709	0.8085	0.9024	0.3549	0.9278
65	1.7544	0.8051	0.8679	0.3455	0.9342
70	1.8356	0.8018	0.8329	0.3354	0.9408
75	1.9132	0.7988	0.7976	0.3246	0.9474
80	1.9863	0.7958	0.7619	0.3132	0.9541
85	2.0538	0.7930	0.7259	0.3012	0.9609
90	2.1168	0.7903	0.6895	0.2886	0.9678
95	2.1683	0.7878	0.6528	0.2755	0.9748
100	2.2137	0.7854	0.6158	0.2619	0.9819
105	2.2501	0.7831	0.5786	0.2477	0.9890
110	2.2769	0.7810	0.5411	0.2332	0.9963
115	2.2935	0.7790	0.5034	0.2182	1.0037
120	2.2995	0.7772	0.4655	0.2029	1.0112
125	2.2944	0.7755	0.4273	0.1871	1.0187
130	2.2779	0.7740	0.3890	0.1711	1.0264
135	2.2497	0.7726	0.3506	0.1548	1.0342
140	2.2098	0.7714	0.3120	0.1382	1.0421
145	2.1566	0.7703	0.2732	0.1214	1.0501
150	2.1120	0.7693	0.2344	0.1045	1.0583
155	2.1342	0.7685	0.1955	0.0873	1.0666
160	2.0819	0.7679	0.1565	0.0700	1.0750
165	2.0421	0.7673	0.1174	0.0526	1.0837
170	2.0097	0.7670	0.0783	0.0351	1.0925
175	2.9830	0.7668	0.0392	0.0176	1.1016
180	2.9621	0.7667	0.	0.	1.1109

GAMMA = 0.4000 ALPHA = 81.000 K = 0.500

DC = 2.3120	XR = 1.2271	BR = 1.815304	TR = 167.65	CR = 2.9261	QR = 0.2302E 03					
THETA	SF	K1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.8632	1.2358	0.3838	0.8632	1.2358	0.3838	2.9799	3.0336	28.5746
5	0.9902	0.8576	1.2094	0.3837	0.8689	1.2635	0.3830	2.9799	3.0336	28.5746
10	1.0056	0.8522	1.1814	0.3829	0.8748	1.2897	0.3816	2.9799	3.0336	28.5746
15	1.0386	0.8470	1.1528	0.3813	0.8808	1.3152	0.3794	2.9799	3.0336	28.5746
20	1.0859	0.8419	1.1237	0.3790	0.8870	1.3400	0.3765	2.9799	3.0336	28.5746
25	1.1450	0.8369	1.0940	0.3758	0.8933	1.3642	0.3729	2.9799	3.0336	28.5746
30	1.2136	0.8322	1.0637	0.3719	0.8998	1.3877	0.3687	2.9799	3.0336	28.5746
35	1.2901	0.8275	1.0330	0.3672	0.9065	1.4108	0.3639	2.9799	3.0336	28.5746
40	1.3727	0.8230	1.0017	0.3618	0.9133	1.4328	0.3585	2.9799	3.0336	28.5746
45	1.4597	0.8187	0.9699	0.3556	0.9203	1.4543	0.3526	2.9799	3.0336	28.5746
50	1.5499	0.8146	0.9377	0.3486	0.9274	1.4757	0.3461	2.9799	3.0336	28.5746
55	1.6416	0.8105	0.9050	0.3410	0.9347	1.4952	0.3393	2.9799	3.0336	28.5746
60	1.7338	0.8066	0.8720	0.3327	0.9422	1.5147	0.3320	2.9799	3.0336	28.5746
65	1.8250	0.8030	0.8385	0.3237	0.9498	1.5335	0.3244	2.9799	3.0336	28.5746
70	1.9142	0.7994	0.8046	0.3141	0.9577	1.5516	0.3164	2.9799	3.0336	28.5746
75	2.0003	0.7960	0.7703	0.3038	0.9657	1.5691	0.3082	2.9799	3.0336	28.5746
80	2.0823	0.7928	0.7357	0.2930	0.9739	1.5859	0.2998	2.9799	3.0336	28.5746
85	2.1599	0.7897	0.7008	0.2818	0.9823	1.6021	0.2913	2.9799	3.0336	28.5746
90	2.2306	0.7868	0.6656	0.2697	0.9909	1.6176	0.2827	2.9799	3.0336	28.5746
95	2.2955	0.7841	0.6301	0.2573	0.9997	1.6326	0.2741	2.9799	3.0336	28.5746
100	2.3536	0.7814	0.5943	0.2445	1.0088	1.6469	0.2656	2.9799	3.0336	28.5746
105	2.4046	0.7790	0.5583	0.2312	1.0182	1.6607	0.2571	2.9799	3.0336	28.5746
110	2.4485	0.7767	0.5221	0.2175	1.0278	1.6740	0.2489	2.9799	3.0336	28.5746
115	2.4855	0.7746	0.4856	0.2034	1.0377	1.6867	0.2409	2.9799	3.0336	28.5746
120	2.5169	0.7726	0.4490	0.1890	1.0480	1.6989	0.2333	2.9799	3.0336	28.5746
125	2.5419	0.7708	0.4122	0.1743	1.0588	1.7107	0.2263	2.9799	3.0336	28.5746
130	2.5646	0.7691	0.3752	0.1598	1.0700	1.7220	0.2200	2.9799	3.0336	28.5746
135	2.5877	0.7676	0.3381	0.1441	1.0818	1.7330	0.2146	2.9799	3.0336	28.5746
140	2.6112	0.7663	0.3008	0.1286	1.0943	1.7436	0.2100	2.9799	3.0336	28.5746
145	2.6337	0.7651	0.2634	0.1129	1.1078	1.7541	0.2067	2.9799	3.0336	28.5746
150	2.7484	0.7640	0.2260	0.0971	1.1226	1.7645	0.2101	2.9799	3.0336	28.5746
155	2.9203	0.7632	0.1884	0.0811	1.1393	1.7750	0.2100	2.9799	3.0336	28.5746
160	3.3321	0.7625	0.1508	0.0651	1.1593	1.7862	0.2118	2.9799	3.0336	28.5746
165	4.9366	0.7619	0.1132	0.0489	1.1876	1.7998	0.2118	2.9799	3.0336	28.5746
170	0.2631	0.7616	0.0755	0.0326						
175	0.1375	0.7613	0.0377	0.0163						
180	0.	0.7612	0.	0.						

GAMMA = 0.4000 ALPHA = 81.000 K = 0.800

DC = 2.4501	XR = 1.1988	BR = 1.673716	TR = 116.53	CR = 2.0338	QR = 0.7050E 02					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8692	1.1784	0.3541	0.8692	1.1784	0.3575			
5	0.9926	0.8625	1.1519	0.3536	0.8761	1.2044	0.3540	2.7791	2.8291	20.4236
10	1.0133	0.8560	1.1248	0.3523	0.8833	1.2297	0.3533	2.7791	2.8291	20.4236
15	1.0544	0.8498	1.0972	0.3504	0.8907	1.2545	0.3519	2.7791	2.8291	20.4236
20	1.1119	0.8437	1.0691	0.3478	0.8983	1.2787	0.3499	2.7791	2.8291	20.4236
25	1.1829	0.8379	1.0405	0.3444	0.9062	1.3022	0.3473	2.7791	2.8291	20.4236
30	1.2649	0.8323	1.0113	0.3404	0.9144	1.3255	0.3443	2.7791	2.8291	20.4236
35	1.3563	0.8268	0.9817	0.3357	0.9229	1.3478	0.3407	2.7791	2.8291	20.4236
40	1.4551	0.8216	0.9517	0.3303	0.9317	1.3693	0.3367	2.7791	2.8291	20.4236
45	1.5802	0.8165	0.9212	0.3242	0.9407	1.3905	0.3324	2.7791	2.8291	20.4236
50	1.6702	0.8117	0.8903	0.3175	0.9502	1.4111	0.3279	2.7791	2.8291	20.4236
55	1.7842	0.8071	0.8589	0.3102	0.9600	1.4312	0.3231	2.7791	2.8291	20.4236
60	1.9015	0.8026	0.8272	0.3022	0.9702	1.4505	0.3183	2.7791	2.8291	20.4236
65	2.0217	0.7984	0.7952	0.2937	0.9809	1.4694	0.3135	2.7791	2.8291	20.4236
70	2.1449	0.7943	0.7628	0.2846	0.9920	1.4877	0.3089	2.7791	2.8291	20.4236
75	2.2720	0.7904	0.7301	0.2750	1.0038	1.5056	0.3049	2.7791	2.8291	20.4236
80	2.4049	0.7867	0.6970	0.2649	1.0162	1.5231	0.3016	2.7791	2.8291	20.4236
85	2.5472	0.7832	0.6637	0.2543	1.0295	1.5402	0.2996	2.7791	2.8291	20.4236
90	2.7059	0.7799	0.6302	0.2432	1.0438	1.5571	0.2995	2.7791	2.8291	20.4236
95	2.8943	0.7767	0.5964	0.2318	1.0594	1.5739	0.3029	2.7791	2.8291	20.4236
100	3.1401	0.7738	0.5624	0.2200	1.0768	1.5908	0.3122	2.7791	2.8291	20.4236
105	3.5121	0.7710	0.5281	0.2078	1.0970	1.6089	0.3238	2.7791	2.8291	20.4236
110	4.2450	0.7684	0.4937	0.1953	1.1221	1.6276	0.3395	2.7791	2.8291	20.4236
115	7.4956	0.7660	0.4591	0.1824	1.1615	1.6463	0.3604	2.7791	2.8291	20.4236
120	0.9353	0.7637	0.4244	0.1694						
125	0.9161	0.7617	0.3895	0.1560						
130	0.8873	0.7598	0.3544	0.1425						
135	0.8485	0.7581	0.3193	0.1288						
140	0.7993	0.7566	0.2841	0.1148						
145	0.7394	0.7553	0.2487	0.1008						
150	0.6686	0.7541	0.2133	0.0866						
155	0.5865	0.7531	0.1779	0.0723						
160	0.4929	0.7523	0.1424	0.0580						
165	0.3877	0.7517	0.1068	0.0435						
170	0.2705	0.7512	0.0712	0.0291						
175	0.1414	0.7510	0.0356	0.0145						
180	0.	0.7509	0.	0.						

GAMMA = 0.4000 ALPHA = 8.000 K = 1.000

DC = 2.5635 XR = 1.1830 BR = 1.580693 TR = 90.83 CR = 1.5863 QR = 0.3887E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.6737	1.1384	0.3376	0.8737	1.1384	0.3809			
5	0.9953	0.18659	1.1122	0.3362	0.8817	1.11640	0.3384	2.6334	2.6807	18.2774
10	1.0225	0.8585	1.0856	0.3343	0.8901	1.11891	0.3387	2.12340	2.3125	6.2110
15	1.0732	0.8513	1.0585	0.3317	0.8989	1.12137	0.3385	2.10317	2.1367	3.2625
20	1.1427	0.8444	1.0309	0.3286	0.9080	1.12378	0.3380	1.8997	2.0284	2.0533
25	1.2279	0.8378	1.0029	0.3249	0.9175	1.12614	0.3371	1.8030	1.9534	1.4294
30	1.3265	0.8314	0.9744	0.3205	0.9275	1.12844	0.3359	1.7271	1.8976	1.0623
35	1.4372	0.8253	0.9455	0.3155	0.9379	1.13070	0.3346	1.6645	1.8540	0.8275
40	1.5588	0.8194	0.9161	0.3100	0.9488	1.13291	0.3334	1.6113	1.8187	0.6684
45	1.6910	0.8138	0.8864	0.3038	0.9604	1.13508	0.3324	1.5646	1.7893	0.5564
50	1.8344	0.8084	0.8563	0.2971	0.9726	1.13721	0.3319	1.5229	1.7640	0.4756
55	1.9905	0.8032	0.8259	0.2898	0.9857	1.13930	0.3323	1.4847	1.7419	0.4168
60	2.1628	0.7983	0.7951	0.2820	0.9997	1.14138	0.3343	1.4491	1.7220	0.3745
65	2.3586	0.7935	0.7640	0.2736	1.0149	1.4344	0.3389	1.4152	1.7037	0.3456
70	2.5918	0.7890	0.7326	0.2648	1.0317	1.4551	0.3479	1.3823	1.6864	0.3295
75	2.8931	0.7847	0.7009	0.2555	1.0506	1.4762	0.3650	1.3492	1.6694	0.3277
80	3.3409	0.7806	0.6690	0.2458	1.0730	1.4986	0.3998	1.3145	1.6517	0.3485
85	4.2236	0.7768	0.6368	0.2357	1.1016	1.5237	0.4866	1.2762	1.6316	0.4252
90	0.9029	0.7731	0.6044	0.2251						
95	0.9320	0.7696	0.5718	0.2143						
100	0.9540	0.7664	0.5390	0.2031						
105	0.9684	0.7633	0.5060	0.1916						
110	0.9748	0.7605	0.4729	0.1799						
115	0.9726	0.7578	0.4396	0.1679						
120	0.9614	0.7554	0.4062	0.1557						
125	0.9408	0.7531	0.3728	0.1433						
130	0.9103	0.7511	0.3392	0.1308						
135	0.8698	0.7492	0.3055	0.1181						
140	0.8187	0.7476	0.2717	0.1052						
145	0.7569	0.7461	0.2379	0.0923						
150	0.6840	0.7448	0.2040	0.0793						
155	0.5997	0.7438	0.1701	0.0662						
160	0.5038	0.7429	0.1361	0.0530						
165	0.3961	0.7422	0.1021	0.0398						
170	0.2764	0.7417	0.0681	0.0265						
175	0.1444	0.7414	0.0340	0.0133						
180	0.	0.7413	0.	0.						

GAMMA = 0.4000 ALPHA = 8.000 K = 1.000

DC = 2.6613 XR = 1.1726 BR = 1.514789 TR = 74.89 CR = 1.3070 QR = 0.2590E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8772	1.1089	0.3283	0.8772	1.1089	0.3716			
5	0.9984	0.18684	1.0829	0.3259	0.8863	1.11846	0.3303	2.15201	2.5653	16.6988
10	1.0331	0.8601	1.0564	0.3231	0.8959	1.11598	0.3320	2.11387	2.2137	5.6940
15	1.0947	0.8521	1.0295	0.3198	0.9060	1.11845	0.3335	1.9443	2.0448	3.0087
20	1.1780	0.8444	1.0022	0.3160	0.9166	1.12089	0.3350	1.8167	1.9400	1.9085
25	1.2800	0.8371	0.9745	0.3118	0.9278	1.12329	0.3365	1.7225	1.8668	1.3419
30	1.3993	0.8300	0.9464	0.3070	0.9397	1.12566	0.3384	1.6677	1.8116	1.0097
35	1.5357	0.8233	0.9179	0.3016	0.9523	1.12799	0.3409	1.5854	1.7679	0.7989
40	1.6904	0.8169	0.8890	0.2958	0.9659	1.13031	0.3446	1.5315	1.7318	0.6583
45	1.8670	0.8107	0.8598	0.2894	0.9805	1.13261	0.3502	1.4834	1.7009	0.5624
50	2.0728	0.8048	0.8303	0.2825	0.9965	1.13492	0.3591	1.4393	1.6736	0.4978
55	2.3230	0.7991	0.8004	0.2752	1.0143	1.13727	0.3736	1.3976	1.6486	0.4581
60	2.6520	0.7938	0.7703	0.2673	1.0347	1.13969	0.3989	1.3566	1.6247	0.4428
65	3.1526	0.7886	0.7399	0.2591	1.0592	1.14230	0.4483	1.3145	1.6004	0.4618
70	4.2069	0.7837	0.7092	0.2503	1.0916	1.14533	0.5776	1.2667	1.5729	0.5681
75	0.8062	0.7791	0.6783	0.2412						
80	0.8532	0.7747	0.6471	0.2317						
85	0.8947	0.7705	0.6158	0.2219						
90	0.9301	0.7665	0.5842	0.2117						
95	0.9588	0.7628	0.5525	0.2013						
100	0.9803	0.7593	0.5207	0.1905						
105	0.9940	0.7560	0.4887	0.1795						
110	0.9994	0.7529	0.4565	0.1684						
115	0.9960	0.7501	0.4243	0.1570						
120	0.9836	0.7475	0.3920	0.1454						
125	0.9615	0.7451	0.3596	0.1337						
130	0.9296	0.7429	0.3271	0.1219						
135	0.8874	0.7409	0.2945	0.1100						
140	0.8347	0.7391	0.2619	0.0979						
145	0.7711	0.7375	0.2293	0.0858						
150	0.6964	0.7362	0.1966	0.0737						
155	0.6103	0.7350	0.1639	0.0615						
160	0.5125	0.7341	0.1311	0.0492						
165	0.4028	0.7334	0.0984	0.0369						
170	0.2810	0.7328	0.0656	0.0246						
175	0.1468	0.7325	0.0328	0.0123						
180	0.	0.7324	0.	0.						

GAMMA = 0.4000 ALPHA = 8.000 K = 1.400

DC = 2.7484 XR = 1.1653 BR = 1.465580 TR = 63.89 CR = 1.1151 QR = 0.1947F 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
2	1.0000	0.8800	1.0863	0.3235	0.8800	1.0863	0.3669			
5	1.0019	0.8783	1.0602	0.3199	0.8902	1.1121	0.3270	2.4284	2.4718	15.4765
10	1.0050	0.8611	1.0337	0.3161	0.9010	1.1376	0.3305	2.0607	2.1330	5.2996
15	1.1167	0.8523	1.0068	0.3120	0.9125	1.1629	0.3341	1.8727	1.9696	2.8187
20	1.2177	0.8439	0.9796	0.3075	0.9246	1.1878	0.3383	1.7483	1.8674	1.8038
25	1.3397	0.8359	0.9520	0.3026	0.9376	1.2126	0.3432	1.6555	1.7950	1.2826
30	1.4853	0.8283	0.9241	0.2973	0.9516	1.2373	0.3497	1.5810	1.7398	0.9794
35	1.6574	0.8210	0.8959	0.2915	0.9668	1.2620	0.3585	1.5180	1.6952	0.7902
40	1.8638	0.8140	0.8673	0.2853	0.9836	1.2869	0.3713	1.4624	1.6575	0.6690
45	2.1211	0.8074	0.8385	0.2787	1.0024	1.3125	0.3911	1.4114	1.6240	0.5945
50	2.4680	0.8010	0.8093	0.2716	1.0242	1.3392	0.4247	1.3625	1.5929	0.5597
55	3.0165	0.7950	0.7799	0.2641	1.0509	1.3684	0.4910	1.3129	1.5618	0.5755
60	4.3023	0.7892	0.7502	0.2562	1.0879	1.4040	0.6813	1.2562	1.5262	0.7281
65	0.7219	0.7837	0.7253	0.2479						
70	0.7785	0.7785	0.6902	0.2392						
75	0.8308	0.7735	0.6598	0.2302						
80	0.8781	0.7688	0.6293	0.2208						
85	0.9196	0.7644	0.5986	0.2111						
90	0.9548	0.7602	0.5677	0.2012						
95	0.9830	0.7562	0.5367	0.1910						
100	1.0038	0.7525	0.5056	0.1806						
105	1.0166	0.7490	0.4744	0.1700						
110	1.0210	0.7457	0.4431	0.1592						
115	1.0165	0.7427	0.4117	0.1483						
120	1.0027	0.7399	0.3802	0.1372						
125	0.9793	0.7374	0.3487	0.1261						
130	0.9459	0.7351	0.3171	0.1148						
135	0.9022	0.7330	0.2855	0.1035						
140	0.8480	0.7311	0.2538	0.0921						
145	0.7828	0.7294	0.2221	0.0807						
150	0.7065	0.7280	0.1904	0.0692						
155	0.6188	0.7268	0.1587	0.0577						
160	0.5194	0.7258	0.1270	0.0462						
165	0.4081	0.7250	0.0952	0.0346						
170	0.2846	0.7245	0.0635	0.0231						
175	0.1486	0.7241	0.0318	0.0116						
180	0.	0.7240	0.	0.						

GAMMA = 0.4000 ALPHA = 8.000 K = 1.600

DC = 2.8280 XR = 1.1598 BR = 1.427397 TR = 55.80 CR = 0.9739 QR = 0.1560E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
2	1.0000	0.8823	1.0684	0.3218	0.8823	1.0684	0.3651			
5	1.0057	0.8717	1.0419	0.3168	0.8936	1.0945	0.3269	2.3518	2.3939	14.4960
10	1.0562	0.8617	1.0153	0.3118	0.9056	1.1205	0.3325	1.9953	2.0654	4.9878
15	1.1452	0.8521	0.9883	0.3068	0.9184	1.1463	0.3389	1.8123	1.9063	2.6721
20	1.2619	0.8431	0.9611	0.3015	0.9322	1.1721	0.3465	1.6900	1.8056	1.7266
25	1.4081	0.8345	0.9336	0.2959	0.9472	1.1980	0.3564	1.5978	1.7335	1.2437
30	1.5879	0.8263	0.9058	0.2901	0.9636	1.2241	0.3697	1.5228	1.6776	0.9667
35	1.8125	0.8185	0.8777	0.2839	0.9820	1.2508	0.3892	1.4581	1.6314	0.8003
40	2.1078	0.8111	0.8493	0.2773	1.0031	1.2787	0.4199	1.3995	1.5909	0.7051
45	2.5421	0.8040	0.8207	0.2704	1.0283	1.3086	0.4753	1.3431	1.5530	0.6717
50	3.3688	0.7973	0.7918	0.2630	1.0613	1.3434	0.6043	1.2838	1.5136	0.7364
55	0.6188	0.7928	0.7627	0.2554						
60	0.6829	0.7847	0.7334	0.2473						
65	0.7440	0.7789	0.7039	0.2389						
70	0.8012	0.7734	0.6742	0.2302						
75	0.8538	0.7681	0.6443	0.2212						
80	0.9011	0.7632	0.6142	0.2120						
85	0.9425	0.7585	0.5841	0.2024						
90	0.9773	0.7540	0.5538	0.1927						
95	1.0050	0.7499	0.5234	0.1827						
100	1.0250	0.7460	0.4928	0.1725						
105	1.0369	0.7423	0.4623	0.1622						
110	1.0401	0.7389	0.4316	0.1517						
115	1.0344	0.7357	0.4009	0.1412						
120	1.0194	0.7328	0.3702	0.1305						
125	0.9946	0.7301	0.3394	0.1198						
130	0.9598	0.7276	0.3086	0.1090						
135	0.9147	0.7254	0.2777	0.0981						
140	0.8590	0.7235	0.2469	0.0873						
145	0.7924	0.7217	0.2163	0.0764						
150	0.7147	0.7202	0.1852	0.0655						
155	0.6256	0.7189	0.1543	0.0546						
160	0.5249	0.7179	0.1234	0.0437						
165	0.4123	0.7171	0.0926	0.0327						
170	0.2874	0.7165	0.0617	0.0218						
175	0.1501	0.7162	0.0309	0.0109						
180	0.	0.7161	0.	0.						

GAMMA = 0.4000				ALPHA = 8.000				K = 1.800			
DC = 2.9019		XR = 1.1556		BR = 1.396886		TR = 49.57		CR = 0.8632		QR = 0.1302E 02	
THEYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.8843	1.0537	0.3221	0.8843	1.0537	0.3384				
5	1.0099	0.8728	1.0270	0.3156	0.8966	1.0603	0.3292	2.2864	2.3272	13.6882	
10	1.0724	0.8619	1.0000	0.3099	0.9098	1.1069	0.3372	1.9396	2.0077	4.7345	
15	1.1740	0.8517	0.9729	0.3024	0.9240	1.1335	0.3469	1.7600	1.8515	2.5565	
20	1.3111	0.8420	0.9456	0.2973	0.9396	1.1604	0.3592	1.6391	1.7518	1.6697	
25	1.4869	0.8329	0.9181	0.2910	0.9567	1.1877	0.3758	1.5469	1.6794	1.2208	
30	1.7134	0.8242	0.8903	0.2846	0.9761	1.2158	0.3998	1.4705	1.6222	0.9703	
35	2.0208	0.8159	0.8623	0.2779	0.9985	1.2454	0.4382	1.4031	1.5733	0.8326	
40	2.4949	0.8080	0.8340	0.2709	1.0259	1.2778	0.5095	1.3391	1.5283	0.7845	
45	3.3059	0.8006	0.8056	0.2637	1.0634	1.3171	0.6942	1.2713	1.4811	0.8850	
50	0.9706	0.7935	0.7769	0.2561							
55	0.6381	0.7867	0.7480	0.2482							
60	0.7031	0.7803	0.7190	0.2401							
65	0.7648	0.7742	0.6893	0.2316							
70	0.8225	0.7684	0.6604	0.2228							
75	0.8753	0.7629	0.6309	0.2138							
80	0.9226	0.7577	0.6012	0.2046							
85	0.9637	0.7528	0.5715	0.1951							
90	0.9981	0.7481	0.5416	0.1855							
95	1.0251	0.7438	0.5117	0.1757							
100	1.0442	0.7397	0.4817	0.1657							
105	1.0551	0.7358	0.4517	0.1556							
110	1.0572	0.7323	0.4216	0.1454							
115	1.0503	0.7290	0.3915	0.1351							
120	1.0339	0.7259	0.3614	0.1240							
125	1.0078	0.7231	0.3312	0.1144							
130	0.9716	0.7206	0.3011	0.1040							
135	0.9251	0.7183	0.2709	0.0936							
140	0.8681	0.7162	0.2408	0.0832							
145	0.8002	0.7144	0.2107	0.0727							
150	0.7213	0.7128	0.1805	0.0623							
155	0.6311	0.7115	0.1504	0.0519							
160	0.5292	0.7104	0.1203	0.0415							
165	0.4155	0.7096	0.0902	0.0311							
170	0.2896	0.7090	0.0601	0.0207							
175	0.1512	0.7086	0.0301	0.0104							
180	0.	0.7085	0.	0.							

GAMMA = 0.4000				ALPHA = 8.000				K = 2.000			
DC = 2.9717		XR = 1.1521		BR = 1.371932		TR = 44.63		CR = 0.7789		QR = 0.1118E 02	
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.8859	1.0415	0.3240	0.8859	1.0415	0.3403				
5	1.0144	0.8735	1.0144	0.3159	0.8992	1.0687	0.3332	2.2291	2.2690	13.0100	
10	1.0878	0.8619	0.9871	0.3084	0.9137	1.0960	0.3442	1.8903	1.9567	4.5258	
15	1.2053	0.8511	0.9598	0.3013	0.9294	1.1236	0.3579	1.7139	1.8032	2.4642	
20	1.3659	0.8408	0.9324	0.2943	0.9468	1.1517	0.3761	1.5938	1.7040	1.6286	
25	1.5789	0.8311	0.9047	0.2874	0.9663	1.1807	0.4021	1.5009	1.6300	1.2120	
30	1.8720	0.8219	0.8769	0.2803	0.9894	1.2114	0.4431	1.4224	1.5714	0.9915	
35	2.3257	0.8132	0.8489	0.2732	1.0173	1.2453	0.5186	1.3504	1.5186	0.8991	
40	3.2869	0.8050	0.8208	0.2659	1.0537	1.2864	0.7116	1.2762	1.4650	0.9783	
45	0.5178	0.7971	0.7924	0.2582							
50	0.5881	0.7897	0.7639	0.2504							
55	0.6565	0.7826	0.7352	0.2423							
60	0.7224	0.7759	0.7064	0.2340							
65	0.7846	0.7695	0.6774	0.2254							
70	0.8426	0.7635	0.6483	0.2166							
75	0.8956	0.7577	0.6191	0.2076							
80	0.9427	0.7523	0.5898	0.1983							
85	0.9835	0.7472	0.5604	0.1889							
90	1.0173	0.7424	0.5309	0.1794							
95	1.0435	0.7379	0.5014	0.1697							
100	1.0618	0.7336	0.4719	0.1598							
105	1.0716	0.7296	0.4423	0.1499							
110	1.0726	0.7259	0.4127	0.1400							
115	1.0644	0.7225	0.3831	0.1299							
120	1.0467	0.7193	0.3535	0.1199							
125	1.0192	0.7164	0.3240	0.1098							
130	0.9817	0.7138	0.2944	0.0997							
135	0.9339	0.7114	0.2649	0.0896							
140	0.8756	0.7092	0.2353	0.0796							
145	0.8065	0.7073	0.2058	0.0695							
150	0.7265	0.7057	0.1764	0.0595							
155	0.6352	0.7043	0.1469	0.0496							
160	0.5324	0.7032	0.1175	0.0396							
165	0.4179	0.7023	0.0881	0.0297							
170	0.2911	0.7017	0.0587	0.0198							
175	0.1520	0.7013	0.0294	0.0099							
180	0.	0.7012	0.	0.							

GAMMA=0.4000 ALPHA= 8.000 K= 2.20

DC= 3.0324 XR= 1.14934 BR= 1.35114
TR=40.5916 CR= 0.70846 QR= 9.79988

THETA	ST	X1	B1	S1
0	1.0000	0.8874	1.0312	0.3271
5	1.0193	0.8741	1.0036	0.3171
10	1.1042	0.8618	0.9760	0.3083
15	1.2392	0.8502	0.9484	0.3001
20	1.4272	0.8394	0.9208	0.2922
25	1.6881	0.8292	0.8930	0.2846
30	2.0831	0.8196	0.8652	0.2770
35	2.8479	0.8105	0.8372	0.2693
40	0.4610	0.8019	0.8090	0.2616
45	0.5335	0.7937	0.7807	0.2537
50	0.6049	0.7859	0.7523	0.2456
55	0.6743	0.7786	0.7238	0.2373
60	0.7408	0.7716	0.6951	0.2288
65	0.8035	0.7650	0.6663	0.2201
70	0.8618	0.7587	0.6375	0.2112
75	0.9147	0.7528	0.6085	0.2021
80	0.9616	0.7472	0.5795	0.1929
85	1.0020	0.7419	0.5504	0.1835
90	1.0352	0.7369	0.5213	0.1740
95	1.0606	0.7322	0.4922	0.1644
100	1.0779	0.7278	0.4630	0.1547
105	1.0866	0.7236	0.4339	0.1450
110	1.0864	0.7198	0.4047	0.1352
115	1.0769	0.7162	0.3756	0.1253
120	1.0579	0.7130	0.3465	0.1155
125	1.0290	0.7100	0.3174	0.1057
130	0.9902	0.7072	0.2883	0.0959
135	0.9411	0.7047	0.2594	0.0861
140	0.8816	0.7025	0.2304	0.0764
145	0.8114	0.7006	0.2015	0.0667
150	0.7309	0.7000	0.1727	0.0571
155	0.6392	0.7000	0.1439	0.0475
160	0.5359	0.7000	0.1151	0.0380
165	0.4207	0.7000	0.0863	0.0285
170	0.2932	0.7000	0.0576	0.0190
175	0.1531	0.7000	0.0288	0.0095
180	0.	0.7000	0.	0.

GAMMA=0.4000 ALPHA= 8.000 K= 2.60

DC= 3.1367 XR= 1.14501 BR= 1.31844
TR=34.4018 CR= 0.60042 QR= 7.87367

THETA	ST	X1	B1	S1
0	1.0000	0.8897	1.0147	0.3357
5	1.0300	0.8748	0.9861	0.3218
10	1.1400	0.8610	0.9577	0.3100
15	1.3155	0.8483	0.9296	0.2995
20	1.5748	0.8364	0.9015	0.2899
25	1.9902	0.8253	0.8734	0.2808
30	2.8949	0.8148	0.8453	0.2721
35	0.4132	0.8050	0.8172	0.2635
40	0.4885	0.7957	0.7891	0.2550
45	0.5634	0.7869	0.7608	0.2464
50	0.6368	0.7786	0.7325	0.2378
55	0.7078	0.7707	0.7042	0.2291
60	0.7754	0.7633	0.6758	0.2203
65	0.8389	0.7562	0.6473	0.2114
70	0.8974	0.7495	0.6188	0.2023
75	0.9501	0.7432	0.5902	0.1931
80	0.9965	0.7372	0.5617	0.1839
85	1.0358	0.7316	0.5331	0.1745
90	1.0675	0.7263	0.5045	0.1651
95	1.0912	0.7213	0.4760	0.1556
100	1.1064	0.7166	0.4475	0.1461
105	1.1128	0.7122	0.4190	0.1366
110	1.1101	0.7081	0.3906	0.1270
115	1.0980	0.7044	0.3622	0.1175
120	1.0762	0.7009	0.3340	0.1081
125	1.0460	0.7000	0.3060	0.0988
130	1.0064	0.7000	0.2782	0.0896
135	0.9566	0.7000	0.2504	0.0805
140	0.8964	0.7000	0.2226	0.0714
145	0.8254	0.7000	0.1947	0.0624
150	0.7434	0.7000	0.1669	0.0534
155	0.6499	0.7000	0.1391	0.0445
160	0.5448	0.7000	0.1113	0.0355
165	0.4276	0.7000	0.0835	0.0266
170	0.2979	0.7000	0.0556	0.0177
175	0.1555	0.7000	0.0278	0.0089
180	0.	0.7000	0.	0.

GAMMA=0.4000 ALPHA= 8.000 K= 3.000

DC= 3.2869 XR= 1.14182 BR= 1.29390
TR=29.8671 CR= 0.52128 QR= 6.58945

THETA	ST	X1	B1	S1
0	1.0000	0.8915	1.0021	0.3465
5	1.0419	0.8749	0.9723	0.3283
10	1.1799	0.8599	0.9431	0.3134
15	1.4054	0.8460	0.9143	0.3006
20	1.7725	0.8332	0.8857	0.2892
25	2.5452	0.8212	0.8573	0.2787
30	0.3593	0.8100	0.8290	0.2688
35	0.4368	0.7995	0.8007	0.2593
40	0.5146	0.7896	0.7724	0.2506
45	0.5916	0.7803	0.7442	0.2409
50	0.6668	0.7715	0.7159	0.2318
55	0.7391	0.7631	0.6877	0.2227
60	0.8076	0.7553	0.6594	0.2136
65	0.8716	0.7478	0.6311	0.2044
70	0.9301	0.7407	0.6029	0.1952
75	0.9824	0.7341	0.5746	0.1859
80	1.0279	0.7278	0.5464	0.1766
85	1.0666	0.7218	0.5182	0.1672
90	1.0992	0.7162	0.4901	0.1578
95	1.1179	0.7110	0.4620	0.1484
100	1.1309	0.7060	0.4341	0.1390
105	1.1349	0.7014	0.4062	0.1297
110	1.1295	0.6971	0.3783	0.1203
115	1.1146	0.6931	0.3506	0.1111
120	1.0901	0.6895	0.3230	0.1019
125	1.0558	0.6861	0.2956	0.0929
130	1.0118	0.6830	0.2682	0.0839
135	0.9578	0.6802	0.2410	0.0751
140	0.8935	0.6777	0.2139	0.0663
145	0.8199	0.6755	0.1868	0.0577
150	0.7357	0.6737	0.1599	0.0492
155	0.6411	0.6721	0.1331	0.0408
160	0.5358	0.6707	0.1064	0.0325
165	0.4196	0.6697	0.0797	0.0243
170	0.2919	0.6690	0.0531	0.0162
175	0.1522	0.6686	0.0266	0.0081
180	0.	0.6684	0.	0.

GAMMA=0.4000 ALPHA= 8.000 K= 4.000

DC= 3.5979 XR= 1.13659 BR= 1.25291
TR=22.4882 CR= 0.39249 QR= 4.69492

THETA	ST	X1	B1	S1
0	1.0000	0.8947	0.9806	0.3795
5	1.0763	0.8742	0.9477	0.3485
10	1.3003	0.8561	0.9162	0.3251
15	1.7259	0.8397	0.8857	0.3064
20	2.9932	0.8248	0.8558	0.2906
25	0.3251	0.8110	0.8264	0.2768
30	0.4081	0.7982	0.7973	0.2644
35	0.4918	0.7863	0.7685	0.2528
40	0.5749	0.7751	0.7399	0.2419
45	0.6564	0.7646	0.7114	0.2315
50	0.7350	0.7547	0.6831	0.2213
55	0.8099	0.7454	0.6548	0.2114
60	0.8799	0.7366	0.6267	0.2015
65	0.9444	0.7283	0.5987	0.1918
70	1.0023	0.7204	0.5708	0.1822
75	1.0531	0.7130	0.5430	0.1726
80	1.0961	0.7060	0.5153	0.1631
85	1.1306	0.6993	0.4878	0.1536
90	1.1563	0.6931	0.4604	0.1442
95	1.1727	0.6872	0.4332	0.1348
100	1.1796	0.6816	0.4061	0.1256
105	1.1768	0.6764	0.3792	0.1164
110	1.1642	0.6716	0.3525	0.1074
115	1.1418	0.6671	0.3260	0.0986
120	1.1096	0.6629	0.2997	0.0899
125	1.0679	0.6590	0.2737	0.0813
130	1.0168	0.6555	0.2479	0.0730
135	0.9564	0.6523	0.2223	0.0649
140	0.8870	0.6495	0.1969	0.0570
145	0.8088	0.6470	0.1717	0.0493
150	0.7217	0.6448	0.1468	0.0418
155	0.6257	0.6429	0.1220	0.0345
160	0.5207	0.6414	0.0974	0.0274
165	0.4063	0.6402	0.0729	0.0204
170	0.2819	0.6394	0.0486	0.0135
175	0.1468	0.6389	0.0243	0.0067
180	0.	0.6387	0.	0.

GAMMA = 0.4000

ALPHA = 9.000

K = 0.200

DC = 1.8000

XC = 1.7206

BO = 2.386851

V2 = -0.2653E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8592	1.5364	0.5644	0.8592	1.5364	0.6355			
5	0.9890	0.8570	1.5039	0.5657	0.8614	1.5680	0.6333	3.7647	3.8327	38.0445
10	1.0000	0.8548	1.4707	0.5661	0.8637	1.5989	0.6304	3.1842	3.2971	12.8610
15	1.0306	0.8527	1.4368	0.5654	0.8660	1.6290	0.6268	2.8917	3.0425	6.6780
20	1.0716	0.8506	1.4020	0.5637	0.8683	1.6584	0.6226	2.7039	2.8883	4.1289
25	1.1230	0.8485	1.3666	0.5610	0.8706	1.6869	0.6178	2.5688	2.7835	2.8067
30	1.1831	0.8465	1.3304	0.5571	0.8730	1.7147	0.6125	2.4652	2.7077	2.0246
35	1.2508	0.8445	1.2935	0.5522	0.8753	1.7416	0.6067	2.3823	2.6505	1.5209
40	1.3247	0.8426	1.2559	0.5461	0.8777	1.7678	0.6005	2.3141	2.6061	1.1764
45	1.4038	0.8408	1.2176	0.5390	0.8801	1.7932	0.5938	2.2567	2.5708	0.9302
50	1.4870	0.8389	1.1786	0.5307	0.8824	1.8179	0.5869	2.2075	2.5424	0.7483
55	1.5733	0.8372	1.1390	0.5213	0.8848	1.8417	0.5796	2.1648	2.5191	0.6102
60	1.6617	0.8355	1.0988	0.5108	0.8872	1.8648	0.5721	2.1274	2.4998	0.5032
65	1.7513	0.8338	1.0579	0.4992	0.8896	1.8872	0.5645	2.0943	2.4838	0.4188
70	1.8410	0.8322	1.0164	0.4865	0.8920	1.9088	0.5567	2.0648	2.4703	0.3513
75	1.9300	0.8307	0.9744	0.4727	0.8943	1.9297	0.5489	2.0384	2.4589	0.2966
80	2.0174	0.8292	0.9317	0.4579	0.8967	1.9498	0.5410	2.0145	2.4492	0.2519
85	2.1024	0.8278	0.8886	0.4421	0.8990	1.9693	0.5332	1.9929	2.4409	0.2150
90	2.1843	0.8264	0.8449	0.4252	0.9013	1.9880	0.5254	1.9732	2.4338	0.1843
95	2.2622	0.8252	0.8008	0.4074	0.9036	2.0061	0.5178	1.9553	2.4278	0.1587
100	2.3355	0.8240	0.7561	0.3886	0.9059	2.0234	0.5104	1.9389	2.4225	0.1371
105	2.4035	0.8228	0.7111	0.3690	0.9082	2.0401	0.5031	1.9238	2.4180	0.1190
110	2.4658	0.8217	0.6656	0.3484	0.9104	2.0562	0.4962	1.9100	2.4141	0.1036
115	2.5218	0.8207	0.6197	0.3271	0.9126	2.0717	0.4895	1.8972	2.4107	0.0905
120	2.5710	0.8198	0.5735	0.3050	0.9148	2.0865	0.4832	1.8854	2.4077	0.0795
125	2.6131	0.8189	0.5269	0.2822	0.9169	2.1007	0.4772	1.8745	2.4051	0.0700
130	2.6478	0.8181	0.4800	0.2587	0.9190	2.1144	0.4717	1.8644	2.4029	0.0620
135	2.6749	0.8174	0.4328	0.2347	0.9211	2.1275	0.4666	1.8550	2.4009	0.0553
140	2.6943	0.8168	0.3854	0.2100	0.9231	2.1400	0.4620	1.8463	2.3992	0.0496
145	2.7059	0.8162	0.3377	0.1849	0.9251	2.1520	0.4578	1.8383	2.3977	0.0448
150	2.7097	0.8157	0.2898	0.1593	0.9270	2.1635	0.4542	1.8307	2.3964	0.0409
155	2.7059	0.8153	0.2418	0.1333	0.9290	2.1745	0.4511	1.8237	2.3952	0.0377
160	2.6948	0.8149	0.1936	0.1070	0.9308	2.1850	0.4485	1.8172	2.3942	0.0351
165	2.6765	0.8147	0.1453	0.0805	0.9326	2.1951	0.4465	1.8111	2.3933	0.0332
170	2.6516	0.8145	0.0969	0.0538	0.9344	2.2047	0.4451	1.8054	2.3926	0.0319
175	2.6206	0.8144	0.0485	0.0269	0.9361	2.2139	0.4442	1.8001	2.3919	0.0311
180	2.5842	0.8143	0.	0.	0.9378	2.2226	0.4439	1.7951	2.3913	0.0308

GAMMA = 0.4000

ALPHA = 9.000

K = 0.300

DC = 1.9445

XC = 1.5384

BO = 2.163035

V2 = -0.2719E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8657	1.4181	0.4756	0.8657	1.4181	0.5310			
5	0.9899	0.8628	1.3884	0.4774	0.8686	1.4470	0.5284	3.4088	3.4703	31.0635
10	1.0000	0.8600	1.3581	0.4784	0.8716	1.4751	0.5251	2.8856	2.9876	10.4991
15	1.0345	0.8573	1.3269	0.4784	0.8746	1.5025	0.5212	2.6221	2.7584	5.4506
20	1.0776	0.8546	1.2951	0.4775	0.8776	1.5292	0.5168	2.4528	2.6195	3.1697
25	1.1314	0.8519	1.2626	0.4757	0.8807	1.5550	0.5117	2.3311	2.5252	2.2909
30	1.1942	0.8493	1.2294	0.4729	0.8838	1.5802	0.5062	2.2377	2.4570	1.6532
35	1.2646	0.8468	1.1955	0.4692	0.8870	1.6045	0.5002	2.1630	2.4056	1.2428
40	1.3414	0.8444	1.1609	0.4645	0.8901	1.6282	0.4938	2.1015	2.3656	0.9623
45	1.4233	0.8420	1.1256	0.4587	0.8933	1.6511	0.4871	2.0496	2.3338	0.7620
50	1.5092	0.8397	1.0898	0.4520	0.8966	1.6732	0.4800	2.0051	2.3081	0.6141
55	1.5978	0.8375	1.0532	0.4443	0.8998	1.6946	0.4727	1.9664	2.2870	0.5019
60	1.6883	0.8353	1.0161	0.4356	0.9030	1.7152	0.4652	1.9325	2.2696	0.4150
65	1.7793	0.8332	0.9784	0.4260	0.9063	1.7352	0.4575	1.9024	2.2550	0.3464
70	1.8701	0.8312	0.9402	0.4153	0.9096	1.7544	0.4497	1.8755	2.2427	0.2916
75	1.9595	0.8293	0.9013	0.4038	0.9128	1.7730	0.4418	1.8513	2.2322	0.2472
80	2.0466	0.8275	0.8620	0.3913	0.9161	1.7908	0.4340	1.8294	2.2233	0.2108
85	2.1306	0.8257	0.8221	0.3779	0.9194	1.8080	0.4261	1.8095	2.2157	0.1808
90	2.2106	0.8240	0.7818	0.3636	0.9226	1.8244	0.4184	1.7914	2.2092	0.1558
95	2.2859	0.8225	0.7410	0.3484	0.9259	1.8403	0.4108	1.7748	2.2035	0.1349
100	2.3557	0.8210	0.6997	0.3325	0.9291	1.8555	0.4034	1.7595	2.1986	0.1174
105	2.4194	0.8195	0.6580	0.3157	0.9323	1.8701	0.3963	1.7455	2.1944	0.1025
110	2.4764	0.8182	0.6160	0.2982	0.9355	1.8841	0.3894	1.7325	2.1906	0.0899
115	2.5263	0.8170	0.5735	0.2800	0.9387	1.8975	0.3828	1.7205	2.1874	0.0792
120	2.5685	0.8158	0.5308	0.2612	0.9418	1.9103	0.3765	1.7094	2.1846	0.0701
125	2.6029	0.8147	0.4877	0.2417	0.9450	1.9225	0.3706	1.6990	2.1821	0.0623
130	2.6290	0.8138	0.4443	0.2216	0.9480	1.9342	0.3651	1.6894	2.1799	0.0557
135	2.6467	0.8129	0.4006	0.2010	0.9511	1.9454	0.3601	1.6805	2.1780	0.0501
140	2.6561	0.8121	0.3567	0.1799	0.9541	1.9561	0.3555	1.6721	2.1763	0.0454
145	2.6570	0.8114	0.3126	0.1584	0.9571	1.9664	0.3514	1.6643	2.1748	0.0415
150	2.6496	0.8108	0.2683	0.1365	0.9600	1.9761	0.3478	1.6570	2.1735	0.0382
155	2.6341	0.8103	0.2238	0.1142	0.9629	1.9854	0.3447	1.6501	2.1723	0.0355
160	2.6107	0.8099	0.1792	0.0917	0.9657	1.9942	0.3421	1.6437	2.1713	0.0334
165	2.5799	0.8095	0.1345	0.0690	0.9685	2.0027	0.3401	1.6377	2.1704	0.0318
170	2.5422	0.8093	0.0897	0.0461	0.9712	2.0107	0.3387	1.6320	2.1696	0.0307
175	2.4995	0.8092	0.0449	0.0231	0.9739	2.0183	0.3375	1.6267	2.1689	0.0300
180	2.4467	0.8091	0.	0.	0.9765	2.0256	0.3372	1.6218	2.1682	0.0298

GAMMA = 0.4000

ALPHA = 9.000

K = 0.400

DC = 2.0508

XD = 1.3696

BD = 2.010299

V2 = -0.1574E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8707	1.3429	0.4238	0.8707	1.3429	0.4627			
5	0.9904	0.8672	1.3150	0.4259	0.8742	1.3701	0.4599	3.1778	3.2350	26.9037
10	1.0058	0.8638	1.2864	0.4271	0.8778	1.3966	0.4565	2.6916	2.7866	9.0933
15	1.0374	0.8605	1.2571	0.4275	0.8815	1.4223	0.4525	2.4470	2.5739	4.7216
20	1.0822	0.8573	1.2271	0.4270	0.8852	1.4473	0.4480	2.2897	2.4450	2.9206
25	1.1381	0.8542	1.1964	0.4257	0.8890	1.4715	0.4429	2.1766	2.3575	1.9875
30	1.2032	0.8511	1.1650	0.4235	0.8928	1.4950	0.4373	2.0898	2.2941	1.4363
35	1.2762	0.8481	1.1329	0.4203	0.8967	1.5178	0.4313	2.0203	2.2462	1.0818
40	1.3556	0.8452	1.1002	0.4163	0.9007	1.5398	0.4249	1.9628	2.2089	0.8398
45	1.4401	0.8424	1.0669	0.4113	0.9047	1.5611	0.4181	1.9143	2.1792	0.6670
50	1.5283	0.8397	1.0330	0.4055	0.9087	1.5817	0.4111	1.8726	2.1551	0.5395
55	1.6192	0.8371	0.9984	0.3987	0.9128	1.6016	0.4038	1.8363	2.1353	0.4428
60	1.7114	0.8346	0.9633	0.3916	0.9169	1.6207	0.3962	1.8043	2.1189	0.3679
65	1.8039	0.8321	0.9276	0.3825	0.9210	1.6391	0.3886	1.7758	2.1050	0.3088
70	1.8956	0.8298	0.8913	0.3730	0.9252	1.6569	0.3808	1.7503	2.0933	0.2615
75	1.9854	0.8275	0.8545	0.3627	0.9294	1.6739	0.3730	1.7272	2.0833	0.2231
80	2.0723	0.8254	0.8172	0.3515	0.9336	1.6903	0.3652	1.7063	2.0748	0.1917
85	2.1554	0.8234	0.7795	0.3395	0.9379	1.7060	0.3575	1.6872	2.0674	0.1658
90	2.2340	0.8214	0.7412	0.3267	0.9421	1.7211	0.3498	1.6696	2.0610	0.1442
95	2.3070	0.8196	0.7025	0.3132	0.9464	1.7355	0.3423	1.6535	2.0554	0.1261
100	2.3739	0.8178	0.6634	0.2988	0.9507	1.7493	0.3350	1.6386	2.0505	0.1109
105	2.4339	0.8162	0.6239	0.2838	0.9549	1.7625	0.3279	1.6249	2.0463	0.0980
110	2.4866	0.8146	0.5846	0.2681	0.9592	1.7751	0.3210	1.6121	2.0425	0.0870
115	2.5314	0.8132	0.5438	0.2517	0.9635	1.7871	0.3145	1.6001	2.0392	0.0777
120	2.5679	0.8119	0.5032	0.2348	0.9677	1.7986	0.3083	1.5890	2.0363	0.0697
125	2.5958	0.8107	0.4624	0.2173	0.9719	1.8096	0.3025	1.5786	2.0337	0.0629
130	2.6149	0.8095	0.4212	0.1992	0.9762	1.8200	0.2971	1.5689	2.0314	0.0571
135	2.6251	0.8085	0.3798	0.1807	0.9804	1.8299	0.2921	1.5597	2.0294	0.0522
140	2.6263	0.8076	0.3382	0.1617	0.9845	1.8394	0.2876	1.5511	2.0275	0.0480
145	2.6185	0.8068	0.2964	0.1424	0.9887	1.8484	0.2835	1.5430	2.0259	0.0445
150	2.6020	0.8061	0.2544	0.1227	0.9928	1.8569	0.2800	1.5353	2.0244	0.0416
155	2.5770	0.8055	0.2122	0.1027	0.9969	1.8650	0.2769	1.5281	2.0231	0.0393
160	2.5439	0.8050	0.1699	0.0825	1.0010	1.8727	0.2744	1.5213	2.0220	0.0374
165	2.5031	0.8047	0.1275	0.0620	1.0050	1.8800	0.2725	1.5148	2.0209	0.0360
170	2.4553	0.8044	0.0851	0.0414	1.0090	1.8869	0.2711	1.5087	2.0199	0.0350
175	2.4011	0.8042	0.0425	0.0207	1.0129	1.8934	0.2702	1.5029	2.0191	0.0344
180	2.3414	0.8042	0.	0.	1.0168	1.8996	0.2699	1.4974	2.0183	0.0342

GAMMA = 0.4000

ALPHA = 9.000

K = 0.500

DC = 2.1353

XR = 1.2318

BR = 1.882141

TR = 82.72

CR = 4.8395

QR = 0.4468E 04

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8747	1.2897	0.3897	0.8747	1.2897	0.3897			
5	0.9899	0.8707	1.2630	0.3918	0.8788	1.3157	0.3869	3.0099	3.0640	24.0637
10	1.0042	0.8668	1.2355	0.3931	0.8830	1.3410	0.3833	2.5507	2.6406	8.1330
15	1.0346	0.8630	1.2074	0.3937	0.8873	1.3656	0.3791	2.3194	2.4396	4.2239
20	1.0781	0.8593	1.1786	0.3934	0.8917	1.3895	0.3742	2.1712	2.3181	2.6144
25	1.1326	0.8557	1.1492	0.3923	0.8961	1.4126	0.3687	2.0642	2.2354	1.7811
30	1.1961	0.8522	1.1191	0.3904	0.9007	1.4350	0.3627	1.9820	2.1754	1.2893
35	1.2670	0.8488	1.0883	0.3876	0.9053	1.4567	0.3561	1.9160	2.1300	0.9731
40	1.3437	0.8455	1.0569	0.3839	0.9100	1.4777	0.3490	1.8613	2.0945	0.7573
45	1.4247	0.8423	1.0249	0.3795	0.9148	1.4979	0.3415	1.8151	2.0662	0.6033
50	1.5087	0.8392	0.9923	0.3741	0.9197	1.5175	0.3336	1.7752	2.0431	0.4896
55	1.5941	0.8363	0.9591	0.3679	0.9246	1.5363	0.3253	1.7402	2.0240	0.4034
60	1.6797	0.8334	0.9254	0.3609	0.9296	1.5544	0.3167	1.7094	2.0080	0.3365
65	1.7640	0.8307	0.8911	0.3530	0.9347	1.5719	0.3078	1.6818	1.9945	0.2837
70	1.8460	0.8281	0.8562	0.3443	0.9398	1.5886	0.2987	1.6569	1.9831	0.2414
75	1.9242	0.8255	0.8209	0.3348	0.9450	1.6047	0.2894	1.6343	1.9732	0.2070
80	1.9975	0.8231	0.7851	0.3245	0.9502	1.6201	0.2800	1.6138	1.9647	0.1788
85	2.0649	0.8208	0.7488	0.3134	0.9555	1.6348	0.2705	1.5948	1.9572	0.1554
90	2.4081	0.8187	0.7120	0.3016	0.9609	1.6490	0.3218	1.5774	1.9508	0.1680
95	2.4404	0.8166	0.6749	0.2890	0.9663	1.6625	0.3066	1.5612	1.9451	0.1439
100	2.4866	0.8147	0.6373	0.2758	0.9717	1.6754	0.2956	1.5462	1.9400	0.1263
105	2.5333	0.8128	0.5993	0.2619	0.9772	1.6877	0.2863	1.5322	1.9355	0.1123
110	2.5760	0.8111	0.5610	0.2474	0.9827	1.6994	0.2781	1.5190	1.9316	0.1009
115	2.6125	0.8095	0.5224	0.2323	0.9883	1.7105	0.2707	1.5066	1.9280	0.0914
120	2.6417	0.8080	0.4834	0.2167	0.9939	1.7212	0.2638	1.4950	1.9248	0.0833
125	2.6628	0.8067	0.4441	0.2005	0.9996	1.7313	0.2576	1.4840	1.9219	0.0766
130	2.6754	0.8054	0.4046	0.1838	1.0052	1.7409	0.2518	1.4735	1.9193	0.0708
135	2.6791	0.8043	0.3648	0.1667	1.0109	1.7500	0.2466	1.4636	1.9169	0.0660
140	2.6739	0.8033	0.3249	0.1492	1.0167	1.7586	0.2418	1.4542	1.9148	0.0619
145	2.6599	0.8024	0.2847	0.1314	1.0224	1.7668	0.2376	1.4451	1.9128	0.0584
150	2.6370	0.8017	0.2443	0.1132	1.0282	1.7746	0.2340	1.4365	1.9110	0.0556
155	2.6058	0.8010	0.2038	0.0947	1.0341	1.7819	0.2309	1.4282	1.9094	0.0533
160	2.5665	0.8005	0.1632	0.0761	1.0399	1.7889	0.2283	1.4202	1.9078	0.0514
165	2.5196	0.8001	0.1225	0.0572	1.0458	1.7954	0.2263	1.4126	1.9064	0.0500
170	2.4660	0.7998	0.0817	0.0382	1.0517	1.8016	0.2249	1.4052	1.9051	0.0490
175	2.4062	0.7996	0.0409	0.0191	1.0576	1.8075	0.2240	1.3980	1.9039	0.0485
180	2.3413	0.7995	0.	0.	1.0636	1.8130	0.2237	1.3910	1.9028	0.0483

GAMMA = 0.4000 ALPHA = 9.000 K = 0.600										
DC = 2.2057 XR = 1.2043 BR = 1.783010 TR = 167.93 CR = 3.3522 QR = 0.6183E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8781	1.2494	0.3656	0.8781	1.2494	0.3656			
5	0.9909	0.8736	1.2235	0.3676	0.8827	1.2746	0.3628	2.8795	2.9313	21.9693
10	1.0068	0.8692	1.1970	0.3690	0.8875	1.2991	0.3594	2.4414	2.5273	7.4265
15	1.0399	0.8649	1.1697	0.3695	0.8924	1.3229	0.3553	2.2207	2.3356	3.8597
20	1.0868	0.8608	1.1416	0.3693	0.8974	1.3460	0.3506	2.0791	2.2196	2.3921
25	1.1452	0.8567	1.1133	0.3683	0.9025	1.3683	0.3454	1.9768	2.1405	1.6329
30	1.2132	0.8528	1.0841	0.3665	0.9077	1.3900	0.3395	1.8979	2.0830	1.1851
35	1.2890	0.8491	1.0543	0.3639	0.9131	1.4110	0.3332	1.8345	2.0393	0.8973
40	1.3710	0.8454	1.0239	0.3605	0.9185	1.4312	0.3264	1.7818	2.0051	0.7010
45	1.4574	0.8419	0.9928	0.3563	0.9241	1.4508	0.3192	1.7370	1.9776	0.5610
50	1.5469	0.8385	0.9612	0.3513	0.9298	1.4696	0.3117	1.6983	1.9551	0.4577
55	1.6380	0.8352	0.9290	0.3455	0.9357	1.4878	0.3037	1.6642	1.9364	0.3793
60	1.7292	0.8321	0.8963	0.3388	0.9416	1.5053	0.2955	1.6339	1.9207	0.3186
65	1.8193	0.8291	0.8631	0.3314	0.9476	1.5221	0.2871	1.6067	1.9073	0.2707
70	1.9069	0.8262	0.8293	0.3232	0.9538	1.5382	0.2784	1.5821	1.8958	0.2323
75	1.9908	0.8234	0.7951	0.3142	0.9601	1.5537	0.2697	1.5596	1.8858	0.2011
80	2.0698	0.8208	0.7603	0.3045	0.9665	1.5685	0.2607	1.5388	1.8771	0.1756
85	2.1429	0.8183	0.7252	0.2941	0.9730	1.5827	0.2518	1.5197	1.8694	0.1545
90	2.2089	0.8159	0.6896	0.2830	0.9796	1.5963	0.2428	1.5018	1.8626	0.1368
95	2.2670	0.8136	0.6535	0.2712	0.9864	1.6092	0.2338	1.4852	1.8565	0.1220
100	2.3163	0.8115	0.6171	0.2588	0.9933	1.6216	0.2249	1.4695	1.8511	0.1095
105	2.3559	0.8095	0.5804	0.2457	1.0003	1.6335	0.2161	1.4546	1.8462	0.0990
110	2.3852	0.8077	0.5432	0.2321	1.0074	1.6447	0.2075	1.4406	1.8417	0.0900
115	2.4036	0.8059	0.5058	0.2179	1.0148	1.6555	0.1990	1.4272	1.8376	0.0823
120	2.4107	0.8043	0.4680	0.2032	1.0222	1.6657	0.1907	1.4143	1.8339	0.0758
125	2.4061	0.8029	0.4300	0.1880	1.0299	1.6755	0.1827	1.4019	1.8304	0.0703
130	2.3898	0.8015	0.3918	0.1724	1.0377	1.6848	0.1749	1.3899	1.8272	0.0657
135	2.3617	0.8003	0.3532	0.1563	1.0457	1.6936	0.1675	1.3783	1.8241	0.0618
140	2.3221	0.7992	0.3145	0.1399	1.0540	1.7020	0.1605	1.3669	1.8212	0.0586
145	2.2717	0.7982	0.2756	0.1231	1.0625	1.7101	0.1539	1.3557	1.8185	0.0562
150	2.2116	0.7974	0.2365	0.1061	1.0713	1.7177	0.1479	1.3445	1.8158	0.0544
155	2.1437	0.7967	0.1973	0.0888	1.0805	1.7251	0.1424	1.3334	1.8132	0.0533
160	2.0709	0.7961	0.1580	0.0713	1.0902	1.7322	0.1377	1.3222	1.8107	0.0530
165	1.9983	0.7957	0.1186	0.0536	1.1004	1.7390	0.1341	1.3107	1.8081	0.0538
170	1.9352	0.7953	0.0791	0.0358	1.1113	1.7456	0.1318	1.2987	1.8055	0.0560
175	4.0717	0.7952	0.0396	0.0179	1.1233	1.7522	0.2836	1.2860	1.8027	0.1489
180	3.8711	0.7951	0.	0.	1.1369	1.7589	0.2726	1.2720	1.7996	0.1380

GAMMA = 0.4000 ALPHA = 9.000 K = 0.800										
DC = 2.3192 XR = 1.1763 BR = 1.645369 TR = 127.85 CR = 2.2315 QR = 0.1332E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8834	1.1918	0.3344	0.8834	1.1918	0.3344			
5	0.9929	0.8779	1.1669	0.3361	0.8891	1.2159	0.3321	2.6860	2.7342	19.0308
10	1.0130	0.8726	1.1415	0.3372	0.8949	1.2394	0.3291	2.2789	2.3590	6.4389
15	1.0522	0.8675	1.1154	0.3376	0.9009	1.2623	0.3256	2.0738	2.1808	3.3541
20	1.1071	0.8626	1.0887	0.3372	0.9071	1.2845	0.3216	1.9418	2.0727	2.0867
25	1.1751	0.8578	1.0613	0.3362	0.9135	1.3060	0.3170	1.8459	1.9986	1.4320
30	1.2539	0.8532	1.0334	0.3344	0.9202	1.3268	0.3120	1.7717	1.9445	1.0463
35	1.3417	0.8487	1.0049	0.3319	0.9270	1.3470	0.3065	1.7116	1.9030	0.7989
40	1.4367	0.8445	0.9758	0.3287	0.9341	1.3665	0.3007	1.6612	1.8702	0.6303
45	1.5373	0.8403	0.9461	0.3247	0.9413	1.3854	0.2946	1.6181	1.8435	0.5103
50	1.6421	0.8364	0.9159	0.3200	0.9489	1.4037	0.2882	1.5804	1.8214	0.4220
55	1.7498	0.8326	0.8851	0.3145	0.9567	1.4213	0.2816	1.5468	1.8028	0.3554
60	1.8592	0.8290	0.8538	0.3084	0.9647	1.4382	0.2749	1.5166	1.7868	0.3040
65	1.9693	0.8255	0.8221	0.3015	0.9731	1.4546	0.2682	1.4891	1.7729	0.2638
70	2.0794	0.8221	0.7898	0.2939	0.9818	1.4704	0.2615	1.4637	1.7607	0.2321
75	2.1889	0.8190	0.7571	0.2857	0.9908	1.4857	0.2550	1.4400	1.7498	0.2069
80	2.2977	0.8160	0.7240	0.2767	1.0003	1.5004	0.2487	1.4178	1.7400	0.1869
85	2.4063	0.8131	0.6904	0.2672	1.0102	1.5146	0.2428	1.3966	1.7310	0.1711
90	2.5159	0.8104	0.6565	0.2570	1.0206	1.5284	0.2376	1.3763	1.7227	0.1590
95	2.6291	0.8078	0.6221	0.2462	1.0317	1.5418	0.2333	1.3565	1.7148	0.1503
100	2.7510	0.8054	0.5874	0.2348	1.0435	1.5548	0.2305	1.3370	1.7073	0.1449
105	2.8912	0.8032	0.5523	0.2229	1.0564	1.5677	0.2298	1.3174	1.7000	0.1433
110	3.0693	0.8010	0.5170	0.2105	1.0706	1.5805	0.2300	1.2973	1.6925	0.1467
115	3.3316	0.7991	0.4813	0.1975	1.0868	1.5935	0.2434	1.2759	1.6847	0.1583
120	3.8196	0.7973	0.4454	0.1841	1.1064	1.6074	0.2717	1.2519	1.6758	0.1887
125	5.3769	0.7956	0.4091	0.1703	1.1341	1.6243	0.3820	1.2204	1.6638	0.3011
130	1.0432	0.7941	0.3727	0.1561						
135	1.0009	0.7927	0.3360	0.1415						
140	0.9458	0.7915	0.2992	0.1267						
145	0.8774	0.7904	0.2622	0.1115						
150	0.7952	0.7894	0.2250	0.0960						
155	0.6991	0.7886	0.1877	0.0804						
160	0.5885	0.7880	0.1503	0.0645						
165	0.4635	0.7875	0.1128	0.0485						
170	0.3236	0.7871	0.0752	0.0324						
175	0.1693	0.7869	0.0376	0.0162						
180	0.	0.7868	0.	0.						

GAMMA = 0.4000

ALPHA = 9.000

K = 1.000

DC = 2.4095	XR = 1.1612	BR = 1.554638	TR = 98.12	CR = 1.7125	QR = 0.6443E 02					
THETA	S0	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.08874	1.1520	0.3161	0.8874	1.1520	0.3161			
5	0.9952	0.08811	1.1278	0.3172	0.8940	1.11757	0.3145	2.5453	2.5910	17.0281
10	1.0201	0.08750	1.1029	0.3178	0.9009	1.11987	0.3123	2.1610	2.2367	5.7701
15	1.0068	0.08691	1.0775	0.3178	0.9080	1.12211	0.3096	1.9871	2.0684	3.0159
20	1.1314	0.08634	1.0514	0.3171	0.9155	1.12430	0.3066	1.8413	1.9853	1.8860
25	1.2110	0.08580	1.0248	0.3158	0.9232	1.12652	0.3032	1.7497	1.8945	1.3031
30	1.3034	0.08528	0.9977	0.3138	0.9312	1.12858	0.2995	1.6782	1.8423	0.9604
35	1.4067	0.08477	0.9700	0.3112	0.9397	1.13049	0.2956	1.6199	1.8019	0.7410
40	1.5195	0.08429	0.9417	0.3079	0.9485	1.13244	0.2916	1.5705	1.7695	0.5922
45	1.6409	0.08383	0.9129	0.3039	0.9577	1.13433	0.2876	1.5278	1.7429	0.4870
50	1.7703	0.08339	0.8836	0.2993	0.9674	1.13612	0.2837	1.4898	1.7203	0.4104
55	1.9076	0.08296	0.8538	0.2940	0.9776	1.13797	0.2803	1.4556	1.7009	0.3536
60	2.0537	0.08256	0.8235	0.2880	0.9885	1.13972	0.2774	1.4241	1.6838	0.3117
65	2.2108	0.08217	0.7927	0.2814	1.0001	1.14144	0.2756	1.3946	1.6685	0.2791
70	2.3835	0.08180	0.7615	0.2742	1.0126	1.14313	0.2754	1.3665	1.6544	0.2578
75	2.5809	0.08145	0.7299	0.2663	1.0263	1.14480	0.2780	1.3395	1.6412	0.2440
80	2.8222	0.08112	0.6978	0.2579	1.0415	1.14640	0.2852	1.3124	1.6283	0.2394
85	3.1152	0.08080	0.6654	0.2486	1.0591	1.14822	0.3018	1.2846	1.6153	0.2474
90	3.7059	0.08050	0.6325	0.2392	1.0804	1.15008	0.3410	1.2542	1.6011	0.2809
95	5.2402	0.08022	0.5994	0.2290	1.1106	1.15223	0.4787	1.2161	1.5830	0.4150
100	1.1008	0.17998	0.5659	0.2184						
105	1.1238	0.17971	0.5321	0.2072						
110	1.1371	0.17948	0.4980	0.1955						
115	1.1404	0.17928	0.4636	0.1835						
120	1.1328	0.17906	0.4289	0.1710						
125	1.1135	0.17888	0.3940	0.1581						
130	1.0822	0.17872	0.3589	0.1448						
135	1.0380	0.17857	0.3235	0.1313						
140	0.9806	0.17843	0.2880	0.1174						
145	0.9095	0.17831	0.2524	0.1033						
150	0.8242	0.17821	0.2166	0.0890						
155	0.7244	0.17812	0.1807	0.0745						
160	0.6098	0.17805	0.1447	0.0598						
165	0.4802	0.17800	0.1086	0.0449						
170	0.3354	0.17796	0.0724	0.0300						
175	0.1753	0.17794	0.0362	0.0150						
180	0.	0.17793	0.	0.						

GAMMA = 0.4000

ALPHA = 9.000

K = 1.200

DC = 2.4850	XR = 1.1515	BR = 1.490267	TR = 80.24	CR = 1.4004	QR = 0.4099E 02					
THETA	S0	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.08906	1.1227	0.3050	0.8906	1.1227	0.3050			
5	0.9977	0.08894	1.0987	0.3054	0.8981	1.11481	0.3043	2.4463	2.4799	15.5522
10	1.0284	0.08766	1.0742	0.3053	0.9060	1.11690	0.3031	2.0691	2.1416	5.2816
15	1.0838	0.08700	1.0491	0.3047	0.9142	1.11916	0.3017	1.8836	1.9805	2.7724
20	1.1597	0.08637	1.0235	0.3035	0.9229	1.12132	0.3001	1.7425	1.8813	1.7448
25	1.2531	0.08576	0.9974	0.3018	0.9320	1.12346	0.2984	1.6737	1.8126	1.2154
30	1.3622	0.08510	0.9707	0.2996	0.9416	1.12558	0.2968	1.6039	1.7614	0.9050
35	1.4859	0.08463	0.9435	0.2967	0.9517	1.12759	0.2954	1.5463	1.7213	0.7075
40	1.6241	0.08410	0.9158	0.2932	0.9625	1.12959	0.2946	1.4970	1.6887	0.5748
45	1.7779	0.08359	0.8876	0.2892	0.9741	1.13158	0.2947	1.4536	1.6613	0.4828
50	1.9502	0.08311	0.8590	0.2845	0.9866	1.13350	0.2963	1.4143	1.6376	0.4182
55	2.1476	0.08265	0.8298	0.2792	1.0003	1.13544	0.3005	1.3779	1.6164	0.3739
60	2.3831	0.08221	0.8002	0.2733	1.0154	1.13738	0.3089	1.3432	1.5969	0.3464
65	2.6866	0.08179	0.7702	0.2668	1.0327	1.13938	0.3254	1.3091	1.5783	0.3262
70	3.1373	0.08133	0.7398	0.2598	1.0533	1.14149	0.3598	1.2739	1.5593	0.3506
75	4.0480	0.08101	0.7089	0.2522	1.0803	1.14392	0.4502	1.2342	1.5379	0.4264
80	0.9639	0.08065	0.6777	0.2440						
85	1.0180	0.08031	0.6461	0.2353						
90	1.0657	0.07999	0.6141	0.2260						
95	1.1060	0.07968	0.5819	0.2163						
100	1.1381	0.07940	0.5493	0.2061						
105	1.1613	0.07913	0.5164	0.1955						
110	1.1747	0.07888	0.4832	0.1844						
115	1.1776	0.07865	0.4498	0.1729						
120	1.1693	0.07844	0.4161	0.1611						
125	1.1491	0.07825	0.3822	0.1489						
130	1.1163	0.07807	0.3481	0.1364						
135	1.0705	0.07791	0.3138	0.1236						
140	1.0110	0.07777	0.2794	0.1105						
145	0.9374	0.07764	0.2448	0.0972						
150	0.8493	0.07753	0.2100	0.0837						
155	0.7463	0.07744	0.1752	0.0700						
160	0.6281	0.07736	0.1403	0.0562						
165	0.4944	0.07730	0.1053	0.0423						
170	0.3454	0.07726	0.0702	0.0282						
175	0.1806	0.07724	0.0351	0.0141						
180	0.	0.07723	0.	0.						

BAHMA = 0.4000

ALPHA = 9.000

K = 1.400

OC = 2.5502		XR = 1.1447		BR = 1.442165		TR = 68.11		CR = 1.1887		QR = 0.2974E 02	
THETA	SF	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.8932	1.1001	0.2985	0.8932	1.1001	0.2985				
5	1.0005	0.8852	1.0762	0.2979	0.9016	1.1235	0.2988	2.3480	2.3900	14.4079	
10	1.0378	0.8776	1.0518	0.2970	0.9104	1.1465	0.2990	1.9945	2.0643	4.9069	
15	1.1031	0.8704	1.0269	0.2957	0.9198	1.1691	0.2991	1.8153	1.9087	2.5889	
20	1.1919	0.8635	1.0015	0.2940	0.9297	1.1912	0.2995	1.6978	1.8124	1.6409	
25	1.3017	0.8569	0.9757	0.2919	0.9402	1.2130	0.3002	1.6109	1.7450	1.1540	
30	1.4318	0.8506	0.9493	0.2892	0.9515	1.2344	0.3017	1.5419	1.6943	0.8701	
35	1.5830	0.8446	0.9225	0.2860	0.9637	1.2556	0.3045	1.4842	1.6539	0.6914	
40	1.7590	0.8389	0.8952	0.2823	0.9770	1.2768	0.3093	1.4341	1.6204	0.5742	
45	1.9678	0.8334	0.8674	0.2781	0.9916	1.2980	0.3177	1.3889	1.5914	0.4973	
50	2.2268	0.8282	0.8392	0.2733	1.0081	1.3196	0.3322	1.3468	1.5654	0.4506	
55	2.5781	0.8239	0.8106	0.2679	1.0273	1.3422	0.3592	1.3058	1.5407	0.4327	
60	3.1491	0.8186	0.7816	0.2621	1.0510	1.3669	0.4169	1.2634	1.5156	0.4572	
65	4.6529	0.8141	0.7521	0.2556	1.0853	1.3978	0.6088	1.2130	1.4856	0.6244	
70	0.8685	0.8098	0.7222	0.2487							
75	0.9343	0.8058	0.6920	0.2412							
80	0.9952	0.8019	0.6614	0.2332							
85	1.0503	0.7983	0.6305	0.2247							
90	1.0987	0.7949	0.5992	0.2158							
95	1.1397	0.7917	0.5676	0.2064							
100	1.1722	0.7887	0.5358	0.1965							
105	1.1954	0.7859	0.5036	0.1863							
110	1.2087	0.7832	0.4712	0.1757							
115	1.2111	0.7808	0.4386	0.1647							
120	1.2020	0.7786	0.4057	0.1533							
125	1.1808	0.7765	0.3726	0.1417							
130	1.1467	0.7746	0.3393	0.1297							
135	1.0993	0.7729	0.3059	0.1175							
140	1.0379	0.7714	0.2723	0.1051							
145	0.9821	0.7701	0.2386	0.0924							
150	0.8715	0.7690	0.2047	0.0795							
155	0.7657	0.7680	0.1707	0.0665							
160	0.6444	0.7672	0.1367	0.0534							
165	0.5073	0.7666	0.1026	0.0401							
170	0.3543	0.7662	0.0684	0.0268							
175	0.1852	0.7659	0.0342	0.0134							
180	0.	0.7658	0.	0.							

BAHMA = 0.4000

ALPHA = 9.000

K = 1.600

OC = 2.6079		XR = 1.1397		BR = 1.404821		TR = 59.28		CR = 1.0346		QR = 0.2326E 02	
THETA	SF	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.8953	1.0821	0.2949	0.8953	1.0821	0.2949				
5	1.0035	0.8866	1.0581	0.2933	0.9046	1.1057	0.2965	2.2742	2.3149	13.4884	
10	1.0481	0.8783	1.0337	0.2915	0.9144	1.1289	0.2983	1.9327	2.0002	4.6087	
15	1.1244	0.8704	1.0089	0.2896	0.9249	1.1518	0.3004	1.7582	1.8487	2.4459	
20	1.2280	0.8630	0.9836	0.2872	0.9361	1.1745	0.3033	1.6430	1.7542	1.5630	
25	1.3575	0.8559	0.9579	0.2845	0.9482	1.1969	0.3075	1.5572	1.6875	1.1114	
30	1.5145	0.8492	0.9318	0.2814	0.9615	1.2193	0.3136	1.4883	1.6366	0.8506	
35	1.7047	0.8428	0.9052	0.2779	0.9760	1.2419	0.3231	1.4298	1.5953	0.6903	
40	1.9417	0.8367	0.8782	0.2739	0.9924	1.2649	0.3385	1.3778	1.5601	0.5914	
45	2.2575	0.8308	0.8508	0.2694	1.0114	1.2888	0.3653	1.3293	1.5284	0.5382	
50	2.7431	0.8253	0.8229	0.2645	1.0346	1.3149	0.4184	1.2813	1.4978	0.5340	
55	3.8094	0.8201	0.7947	0.2590	1.0665	1.3461	0.5661	1.2284	1.4642	0.6397	
60	0.7500	0.8151	0.7661	0.2531							
65	0.8241	0.8103	0.7370	0.2467							
70	0.8952	0.8058	0.7077	0.2397							
75	0.9622	0.8016	0.6779	0.2323							
80	1.0241	0.7975	0.6478	0.2245							
85	1.0801	0.7937	0.6174	0.2162							
90	1.1293	0.7901	0.5867	0.2074							
95	1.1706	0.7868	0.5557	0.1983							
100	1.2033	0.7836	0.5245	0.1887							
105	1.2266	0.7807	0.4929	0.1788							
110	1.2396	0.7779	0.4612	0.1685							
115	1.2415	0.7754	0.4292	0.1579							
120	1.2317	0.7730	0.3970	0.1470							
125	1.2095	0.7709	0.3645	0.1357							
130	1.1742	0.7689	0.3320	0.1243							
135	1.1253	0.7672	0.2992	0.1125							
140	1.0622	0.7658	0.2663	0.1006							
145	0.9844	0.7642	0.2333	0.0884							
150	0.8915	0.7630	0.2002	0.0761							
155	0.7831	0.7620	0.1670	0.0636							
160	0.6589	0.7612	0.1337	0.0511							
165	0.5187	0.7605	0.1003	0.0384							
170	0.3622	0.7601	0.0669	0.0256							
175	0.1899	0.7598	0.0335	0.0128							
180	0.	0.7597	0.	0.							

GAMMA = 0.4000

ALPHA = 9.000

K = 1.800

DC = 2.6598

XR = 1.1358

BR = 1.374970

TR = 52.53

GR = 0.9168

QR = 0.1908E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8971	1.0674	0.2935	0.8971	1.0674	0.2935			
5	1.0069	0.8876	1.0432	0.2906	0.9072	1.0912	0.2966	2.2111	2.2506	12.7299
10	1.0596	0.8787	1.0187	0.2876	0.9180	1.1148	0.3002	1.8786	1.9443	4.3669
15	1.1480	0.8703	0.9939	0.2851	0.9297	1.1383	0.3048	1.7087	1.7968	2.3322
20	1.2684	0.8623	0.9687	0.2821	0.9423	1.1616	0.3110	1.5954	1.7037	1.5040
25	1.4217	0.8547	0.9431	0.2789	0.9562	1.1850	0.3198	1.5101	1.6372	1.0832
30	1.6142	0.8476	0.9171	0.2754	0.9716	1.2088	0.3329	1.4406	1.5856	0.8444
35	1.8628	0.8408	0.8907	0.2716	0.9892	1.2333	0.3539	1.3804	1.5428	0.7050
40	2.2100	0.8343	0.8639	0.2672	1.0099	1.2592	0.3907	1.3251	1.5047	0.6339
45	2.7922	0.8282	0.8367	0.2625	1.0361	1.2863	0.4689	1.2703	1.4679	0.6365
50	4.4886	0.8224	0.8091	0.2573	1.0758	1.3264	0.7534	1.2065	1.4251	0.8667
55	0.6945	0.8169	0.7812	0.2518						
60	0.7724	0.8116	0.7529	0.2457						
65	0.8480	0.8067	0.7242	0.2393						
70	0.9203	0.8019	0.6952	0.2324						
75	0.9884	0.7975	0.6659	0.2250						
80	1.0513	0.7933	0.6362	0.2173						
85	1.1080	0.7893	0.6063	0.2091						
90	1.1576	0.7856	0.5760	0.2005						
95	1.1993	0.7821	0.5455	0.1915						
100	1.2321	0.7788	0.5148	0.1822						
105	1.2553	0.7757	0.4838	0.1725						
110	1.2680	0.7729	0.4525	0.1625						
115	1.2694	0.7702	0.4211	0.1522						
120	1.2589	0.7678	0.3894	0.1416						
125	1.2357	0.7656	0.3576	0.1308						
130	1.1993	0.7635	0.3256	0.1198						
135	1.1489	0.7617	0.2935	0.1089						
140	1.0842	0.7601	0.2612	0.0968						
145	1.0046	0.7587	0.2288	0.0851						
150	0.9095	0.7574	0.1963	0.0732						
155	0.7988	0.7564	0.1637	0.0612						
160	0.6721	0.7555	0.1311	0.0491						
165	0.5290	0.7549	0.0984	0.0369						
170	0.3693	0.7544	0.0656	0.0246						
175	0.1931	0.7541	0.0328	0.0123						
180	0.	0.7540	0.	0.						

GAMMA = 0.4000

ALPHA = 91.000

K = 2.000

DC = 2.7071

XR = 1.1326

BR = 1.350549

TR = 47.19

GR = 0.8297

QR = 0.1617E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8986	1.0551	0.2936	0.8986	1.0551	0.2936			
5	1.0104	0.8884	1.0307	0.2895	0.9096	1.0793	0.2983	2.1565	2.1950	12.0901
10	1.0710	0.8789	1.0061	0.2857	0.9214	1.1036	0.3042	1.8924	1.8964	4.1657
15	1.1737	0.8699	0.9812	0.2820	0.9342	1.1273	0.3117	1.6653	1.7512	2.2404
20	1.3135	0.8614	0.9559	0.2784	0.9484	1.1517	0.3222	1.5532	1.6591	1.4596
25	1.4960	0.8534	0.9303	0.2746	0.9642	1.1764	0.3374	1.4678	1.5923	1.0671
30	1.7375	0.8459	0.9044	0.2708	0.9822	1.2020	0.3612	1.3971	1.5395	0.8516
35	2.0811	0.8387	0.8781	0.2669	1.0037	1.2292	0.4029	1.3340	1.4941	0.7408
40	2.6702	0.8320	0.8515	0.2617	1.0311	1.2601	0.4920	1.2729	1.4512	0.7271
45	4.5263	0.8256	0.8245	0.2567	1.0741	1.3019	0.8418	1.2020	1.4016	1.0049
50	0.6936	0.8195	0.7971	0.2514						
55	0.7144	0.8137	0.7694	0.2457						
60	0.7937	0.8082	0.7414	0.2396						
65	0.8703	0.8031	0.7130	0.2331						
70	0.9440	0.7982	0.6843	0.2261						
75	1.0131	0.7936	0.6554	0.2188						
80	1.0767	0.7892	0.6261	0.2111						
85	1.1341	0.7851	0.5965	0.2030						
90	1.1841	0.7812	0.5667	0.1946						
95	1.2260	0.7776	0.5366	0.1858						
100	1.2589	0.7742	0.5063	0.1766						
105	1.2819	0.7710	0.4757	0.1671						
110	1.2943	0.7681	0.4449	0.1574						
115	1.2952	0.7653	0.4140	0.1473						
120	1.2839	0.7628	0.3828	0.1370						
125	1.2598	0.7605	0.3515	0.1265						
130	1.2223	0.7584	0.3201	0.1157						
135	1.1746	0.7566	0.2884	0.1047						
140	1.1049	0.7549	0.2567	0.0935						
145	1.0230	0.7534	0.2249	0.0822						
150	0.9260	0.7521	0.1929	0.0707						
155	0.8132	0.7510	0.1609	0.0591						
160	0.6840	0.7502	0.1288	0.0474						
165	0.5383	0.7495	0.0966	0.0356						
170	0.3759	0.7490	0.0645	0.0238						
175	0.1964	0.7487	0.0322	0.0119						
180	0.	0.7486	0.	0.						

GAMMA=0.4000 ALPHA= 9.000 K= 2.20

DC= 2.7507 XR= 1.13010 BR= 1.33019
TR=42.8627 CR= 0.74809 QR=14.03600

THETA	ST	X1	B1	S1
0	1.0000	0.8999	1.0447	0.2949
5	1.0142	0.8890	1.0201	0.2894
10	1.0852	0.8789	0.9952	0.2833
15	1.2016	0.8694	0.9702	0.2800
20	1.3638	0.8605	0.9448	0.2756
25	1.5833	0.8521	0.9192	0.2712
30	1.8957	0.8441	0.8933	0.2667
35	2.4149	0.8367	0.8671	0.2620
40	3.8202	0.8296	0.8406	0.2571
45	0.5685	0.8229	0.8137	0.2519
50	0.6512	0.8166	0.7866	0.2464
55	0.7334	0.8106	0.7591	0.2405
60	0.8141	0.8049	0.7313	0.2343
65	0.8921	0.7996	0.7032	0.2277
70	0.9666	0.7945	0.6748	0.2208
75	1.0365	0.7897	0.6461	0.2134
80	1.1008	0.7852	0.6171	0.2058
85	1.1586	0.7810	0.5879	0.1978
90	1.2090	0.7770	0.5584	0.1894
95	1.2511	0.7733	0.5287	0.1807
100	1.2840	0.7698	0.4987	0.1717
105	1.3068	0.7665	0.4686	0.1625
110	1.3188	0.7635	0.4382	0.1529
115	1.3191	0.7607	0.4077	0.1431
120	1.3071	0.7581	0.3770	0.1330
125	1.2821	0.7557	0.3461	0.1227
130	1.2435	0.7536	0.3151	0.1122
135	1.1906	0.7516	0.2840	0.1015
140	1.1229	0.7499	0.2527	0.0907
145	1.0399	0.7484	0.2213	0.0797
150	0.9412	0.7471	0.1899	0.0685
155	0.8263	0.7460	0.1584	0.0573
160	0.6950	0.7451	0.1268	0.0459
165	0.5469	0.7444	0.0951	0.0345
170	0.3818	0.7439	0.0634	0.0230
175	0.1996	0.7436	0.0317	0.0115
180	0.	0.7435	0.	0.

GAMMA=0.4000 ALPHA= 9.000 K= 3.00

DC= 2.08990 XR= 1.12329 BR= 1.27415
TR=31.6167 CR= 0.654832 QR= 9.20436

THETA	ST	X1	B1	S1
0	1.0000	0.9038	1.0154	0.3075
5	1.0321	0.8902	0.9892	0.2953
10	1.1477	0.8778	0.9632	0.2855
15	1.3391	0.8664	0.9374	0.2773
20	1.6412	0.8558	0.9116	0.2699
25	2.2008	0.8460	0.8857	0.2632
30	4.5666	0.8369	0.8597	0.2568
35	0.4530	0.8283	0.8335	0.2506
40	0.5399	0.8202	0.8072	0.2445
45	0.6279	0.8127	0.7807	0.2382
50	0.7159	0.8055	0.7539	0.2319
55	0.8028	0.7988	0.7270	0.2255
60	0.8877	0.7925	0.6998	0.2188
65	0.9694	0.7865	0.6724	0.2119
70	1.0470	0.7809	0.6448	0.2048
75	1.1193	0.7757	0.6170	0.1974
80	1.1858	0.7707	0.5889	0.1898
85	1.2447	0.7660	0.5607	0.1819
90	1.2959	0.7617	0.5323	0.1738
95	1.3380	0.7576	0.5037	0.1655
100	1.3704	0.7538	0.4750	0.1570
105	1.3922	0.7502	0.4461	0.1482
110	1.4025	0.7469	0.4170	0.1392
115	1.4006	0.7439	0.3878	0.1301
120	1.3858	0.7411	0.3584	0.1208
125	1.3576	0.7385	0.3290	0.1113
130	1.3150	0.7362	0.2994	0.1016
135	1.2576	0.7341	0.2698	0.0918
140	1.1850	0.7322	0.2400	0.0819
145	1.0964	0.7306	0.2102	0.0719
150	0.9916	0.7292	0.1803	0.0618
155	0.8700	0.7280	0.1503	0.0516
160	0.7314	0.7270	0.1203	0.0414
165	0.5753	0.7263	0.0903	0.0311
170	0.4015	0.7257	0.0602	0.0207
175	0.2098	0.7254	0.0301	0.0104
180	0.	0.7253	0.	0.

GAMMA=0.4000 ALPHA= 9.000 K= 2.60

DC= 2.8293 XR= 1.12617 BR= 1.29819
TR=36.2445 CR= 0.63259 QR=11.11191

THETA	ST	X1	B1	S1
0	1.0000	0.9021	1.0281	0.3000
5	1.0227	0.8898	1.0027	0.2914
10	1.1144	0.8785	0.9774	0.2841
15	1.2647	0.8680	0.9520	0.2777
20	1.4840	0.8582	0.9264	0.2719
25	1.8162	0.8491	0.9007	0.2664
30	2.4295	0.8405	0.8748	0.2609
35	5.1126	0.8325	0.8487	0.2555
40	0.5138	0.8249	0.8223	0.2499
45	0.5991	0.8177	0.7956	0.2442
50	0.6847	0.8110	0.7687	0.2383
55	0.7694	0.8046	0.7415	0.2321
60	0.8523	0.7986	0.7141	0.2256
65	0.9324	0.7929	0.6864	0.2189
70	1.0085	0.7875	0.6584	0.2119
75	1.0798	0.7825	0.6302	0.2046
80	1.1452	0.7777	0.6018	0.1969
85	1.2039	0.7732	0.5731	0.1890
90	1.2547	0.7691	0.5442	0.1808
95	1.2969	0.7651	0.5151	0.1723
100	1.3296	0.7615	0.4858	0.1636
105	1.3520	0.7580	0.4563	0.1546
110	1.3631	0.7549	0.4267	0.1454
115	1.3624	0.7519	0.3969	0.1359
120	1.3490	0.7492	0.3669	0.1263
125	1.3223	0.7468	0.3368	0.1164
130	1.2816	0.7445	0.3066	0.1064
135	1.2264	0.7425	0.2762	0.0962
140	1.1561	0.7407	0.2458	0.0859
145	1.0702	0.7391	0.2153	0.0754
150	0.9682	0.7377	0.1847	0.0648
155	0.8498	0.7366	0.1540	0.0542
160	0.7145	0.7357	0.1233	0.0434
165	0.5621	0.7349	0.0925	0.0326
170	0.3924	0.7344	0.0617	0.0218
175	0.2051	0.7341	0.0308	0.0109
180	0.	0.7340	0.	0.

GAMMA=0.4000 ALPHA= 9.000 K= 4.00

DC= 3.0474 XR= 1.11858 BR= 1.23400
TR=23.5959 CR= 0.41183 QR= 6.45482

THETA	ST	X1	B1	S1
0	1.0000	0.9068	0.9936	0.3321
5	1.0598	0.8900	0.9650	0.3097
10	1.2481	0.8751	0.9374	0.2930
15	1.5987	0.8617	0.9104	0.2797
20	2.4670	0.8494	0.8837	0.2687
25	0.3266	0.8382	0.8573	0.2592
30	0.4151	0.8278	0.8309	0.2506
35	0.5065	0.8181	0.8046	0.2426
40	0.5995	0.8091	0.7783	0.2351
45	0.6931	0.8007	0.7519	0.2278
50	0.7861	0.7929	0.7254	0.2206
55	0.8774	0.7855	0.6988	0.2134
60	0.9660	0.7786	0.6721	0.2062
65	1.0509	0.7721	0.6453	0.1989
70	1.1309	0.7660	0.6183	0.1916
75	1.2052	0.7603	0.5912	0.1841
80	1.2727	0.7549	0.5639	0.1764
85	1.3325	0.7499	0.5366	0.1687
90	1.3836	0.7452	0.5091	0.1608
95	1.4252	0.7408	0.4815	0.1527
100	1.4564	0.7367	0.4537	0.1445
105	1.4765	0.7329	0.4259	0.1361
110	1.4846	0.7294	0.3980	0.1276
115	1.4799	0.7261	0.3699	0.1190
120	1.4619	0.7231	0.3418	0.1103
125	1.4299	0.7204	0.3136	0.1015
130	1.3832	0.7179	0.2853	0.0926
135	1.3212	0.7157	0.2570	0.0836
140	1.2435	0.7137	0.2286	0.0745
145	1.1495	0.7120	0.2001	0.0653
150	1.0387	0.7105	0.1716	0.0561
155	0.9107	0.7092	0.1431	0.0468
160	0.7851	0.7082	0.1145	0.0375
165	0.6016	0.7074	0.0859	0.0282
170	0.4197	0.7068	0.0573	0.0188
175	0.2193	0.7064	0.0286	0.0094
180	0.	0.7063	0.	0.

GAMMA = 0.4000

ALPHA = 10.000

K = 0.200

DC = 1.7798

XD = 1.6905

BO = 2.333418

V2 = -0.2878E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8705	1.5363	0.5505	0.8705	1.5363	0.6091			
5	0.9895	0.8686	1.5046	0.5531	0.8724	1.5671	0.6058	3.6734	3.7398	36.1871
10	1.0034	0.8668	1.4721	0.5546	0.8743	1.5972	0.6017	3.1076	3.2177	12.2324
15	1.0330	0.8649	1.4389	0.5552	0.8763	1.6265	0.5969	2.8224	2.9695	6.3509
20	1.0752	0.8631	1.4048	0.5547	0.8782	1.6549	0.5916	2.6395	2.8193	3.9260
25	1.1277	0.8614	1.3699	0.5532	0.8802	1.6825	0.5857	2.5078	2.7173	2.6681
30	1.1892	0.8596	1.3343	0.5506	0.8822	1.7093	0.5793	2.4069	2.6435	1.9240
35	1.2581	0.8579	1.2979	0.5468	0.8842	1.7353	0.5725	2.3263	2.5878	1.4446
40	1.3332	0.8563	1.2608	0.5419	0.8862	1.7605	0.5652	2.2598	2.5446	1.1167
45	1.4135	0.8547	1.2229	0.5358	0.8882	1.7849	0.5576	2.2040	2.5104	0.8824
50	1.4978	0.8531	1.1843	0.5286	0.8902	1.8086	0.5498	2.1561	2.4827	0.7093
55	1.5850	0.8516	1.1450	0.5202	0.8922	1.8314	0.5417	2.1147	2.4601	0.5775
60	1.6742	0.8501	1.1050	0.5107	0.8942	1.8535	0.5334	2.0784	2.4414	0.4760
65	1.7642	0.8486	1.0644	0.4999	0.8961	1.8748	0.5250	2.0462	2.4259	0.3957
70	1.8542	0.8473	1.0231	0.4880	0.8981	1.8954	0.5165	2.0176	2.4128	0.3314
75	1.9432	0.8459	0.9811	0.4750	0.9001	1.9152	0.5080	1.9920	2.4018	0.2794
80	2.0303	0.8446	0.9386	0.4608	0.9020	1.9343	0.4996	1.9689	2.3925	0.2369
85	2.1145	0.8434	0.8954	0.4456	0.9040	1.9527	0.4912	1.9480	2.3845	0.2018
90	2.1951	0.8422	0.8517	0.4292	0.9059	1.9704	0.4830	1.9291	2.3777	0.1727
95	2.2712	0.8411	0.8075	0.4118	0.9078	1.9875	0.4749	1.9118	2.3719	0.1484
100	2.3432	0.8401	0.7627	0.3933	0.9096	2.0038	0.4671	1.8959	2.3669	0.1280
105	2.4073	0.8391	0.7175	0.3739	0.9115	2.0195	0.4595	1.8815	2.3626	0.1107
110	2.4659	0.8381	0.6718	0.3535	0.9133	2.0346	0.4522	1.8681	2.3588	0.0962
115	2.5175	0.8373	0.6257	0.3322	0.9151	2.0491	0.4453	1.8559	2.3556	0.0839
120	2.5615	0.8364	0.5791	0.3101	0.9168	2.0629	0.4387	1.8446	2.3528	0.0734
125	2.5976	0.8357	0.5322	0.2872	0.9185	2.0762	0.4326	1.8341	2.3503	0.0645
130	2.6254	0.8350	0.4849	0.2635	0.9202	2.0889	0.4269	1.8245	2.3482	0.0570
135	2.6447	0.8344	0.4374	0.2392	0.9219	2.1011	0.4217	1.8155	2.3464	0.0506
140	2.6552	0.8338	0.3895	0.2142	0.9235	2.1128	0.4169	1.8072	2.3448	0.0453
145	2.6570	0.8333	0.3414	0.1887	0.9251	2.1239	0.4127	1.7995	2.3433	0.0408
150	2.6500	0.8329	0.2930	0.1627	0.9266	2.1345	0.4089	1.7924	2.3421	0.0371
155	2.6344	0.8325	0.2445	0.1362	0.9281	2.1447	0.4058	1.7857	2.3410	0.0341
160	2.6103	0.8322	0.1958	0.1094	0.9296	2.1544	0.4031	1.7795	2.3401	0.0317
165	2.5782	0.8320	0.1469	0.0823	0.9310	2.1636	0.4011	1.7738	2.3393	0.0299
170	2.5385	0.8318	0.0980	0.0550	0.9324	2.1724	0.3996	1.7684	2.3386	0.0286
175	2.4917	0.8317	0.0490	0.0275	0.9338	2.1808	0.3987	1.7634	2.3379	0.0279
180	2.4385	0.8317	0.	0.	0.9351	2.1888	0.3985	1.7587	2.3374	0.0276

GAMMA = 0.4000

ALPHA = 10.000

K = 0.300

DC = 1.9150

XD = 1.5233

BO = 2.117958

V2 = -0.3096E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8763	1.4209	0.4639	0.8763	1.4209	0.5101			
5	0.9904	0.8738	1.3920	0.4669	0.8788	1.4490	0.5064	3.3266	3.3866	29.5470
10	1.0056	0.8714	1.3624	0.4690	0.8813	1.4763	0.5020	2.8163	2.9159	9.9859
15	1.0370	0.8690	1.3320	0.4702	0.8839	1.5029	0.4970	2.5594	2.6925	5.1830
20	1.0813	0.8667	1.3008	0.4705	0.8865	1.5286	0.4915	2.3948	2.5574	3.2031
25	1.1362	0.8644	1.2688	0.4699	0.8891	1.5536	0.4855	2.2763	2.4656	2.1764
30	1.2002	0.8622	1.2361	0.4683	0.8917	1.5778	0.4790	2.1854	2.3993	1.5692
35	1.2718	0.8600	1.2027	0.4657	0.8944	1.6012	0.4721	2.1128	2.3493	1.1784
40	1.3496	0.8579	1.1686	0.4621	0.8971	1.6238	0.4648	2.0530	2.3105	0.9112
45	1.4326	0.8558	1.1337	0.4574	0.8998	1.6457	0.4573	2.0026	2.2797	0.7204
50	1.5195	0.8538	1.0981	0.4517	0.9025	1.6668	0.4495	1.9595	2.2548	0.5795
55	1.6090	0.8519	1.0619	0.4450	0.9053	1.6872	0.4415	1.9221	2.2345	0.4727
60	1.7002	0.8500	1.0250	0.4372	0.9080	1.7069	0.4333	1.8893	2.2177	0.3899
65	1.7920	0.8482	0.9875	0.4284	0.9107	1.7258	0.4250	1.8602	2.2037	0.3247
70	1.8831	0.8464	0.9493	0.4186	0.9134	1.7440	0.4167	1.8343	2.1919	0.2725
75	1.9727	0.8447	0.9105	0.4077	0.9162	1.7615	0.4084	1.8110	2.1819	0.2303
80	2.0598	0.8431	0.8712	0.3958	0.9189	1.7784	0.4002	1.7900	2.1734	0.1958
85	2.1433	0.8416	0.8312	0.3829	0.9216	1.7945	0.3921	1.7710	2.1662	0.1675
90	2.2225	0.8401	0.7908	0.3691	0.9243	1.8100	0.3841	1.7537	2.1600	0.1437
95	2.2964	0.8387	0.7498	0.3543	0.9269	1.8249	0.3763	1.7378	2.1547	0.1239
100	2.3643	0.8374	0.7083	0.3386	0.9296	1.8391	0.3687	1.7233	2.1501	0.1073
105	2.4255	0.8362	0.6664	0.3220	0.9322	1.8528	0.3614	1.7100	2.1461	0.0933
110	2.4793	0.8350	0.6240	0.3046	0.9348	1.8658	0.3544	1.6977	2.1426	0.0814
115	2.5252	0.8339	0.5812	0.2864	0.9374	1.8783	0.3477	1.6864	2.1396	0.0714
120	2.5626	0.8329	0.5380	0.2674	0.9400	1.8902	0.3414	1.6759	2.1370	0.0628
125	2.5909	0.8320	0.4944	0.2477	0.9425	1.9016	0.3355	1.6661	2.1347	0.0556
130	2.6092	0.8311	0.4506	0.2274	0.9449	1.9124	0.3297	1.6571	2.1327	0.0494
135	2.6193	0.8303	0.4064	0.2064	0.9474	1.9228	0.3247	1.6487	2.1309	0.0442
140	2.6199	0.8296	0.3619	0.1849	0.9498	1.9327	0.3202	1.6409	2.1294	0.0398
145	2.6108	0.8290	0.3172	0.1629	0.9522	1.9421	0.3162	1.6337	2.1281	0.0361
150	2.5923	0.8285	0.2723	0.1405	0.9545	1.9511	0.3127	1.6269	2.1269	0.0330
155	2.5644	0.8280	0.2272	0.1176	0.9568	1.9596	0.3096	1.6206	2.1258	0.0306
160	2.5274	0.8277	0.1819	0.0945	0.9590	1.9678	0.3072	1.6146	2.1249	0.0286
165	2.4818	0.8274	0.1366	0.0711	0.9612	1.9755	0.3052	1.6091	2.1241	0.0271
170	2.4281	0.8272	0.0911	0.0475	0.9633	1.9829	0.3038	1.6039	2.1234	0.0261
175	2.3668	0.8270	0.0456	0.0238	0.9654	1.9899	0.3030	1.5991	2.1228	0.0255
180	2.2989	0.8270	0.	0.	0.9674	1.9965	0.3027	1.5946	2.1222	0.0253

GAMMA = 0.4000

ALPHA = 10.000

K = 0.400

DC = 2.0134

X0 = 1.3895

B0 = 1.973475

V2 = -0.2622E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8807	1.3475	0.4129	0.8807	1.3475	0.4129			
5	0.9911	0.8778	1.3204	0.4161	0.8838	1.3373	0.4444	3.1012	3.1571	25.5904
10	1.0075	0.8748	1.2925	0.4185	0.8869	1.3294	0.4329	2.6273	2.7200	8.5479
15	1.0403	0.8720	1.2638	0.4201	0.8900	1.3423	0.4348	2.3888	2.5127	4.4882
20	1.0863	0.8692	1.2345	0.4208	0.8932	1.3483	0.4292	2.2360	2.3874	2.1739
25	1.1433	0.8664	1.2044	0.4207	0.8965	1.3478	0.4231	2.1280	2.3023	1.8954
30	1.2096	0.8638	1.1735	0.4196	0.8998	1.3491	0.4165	2.0416	2.2408	1.3603
35	1.2836	0.8612	1.1419	0.4177	0.9031	1.3519	0.4096	1.9741	2.1944	1.0225
40	1.3641	0.8587	1.1097	0.4147	0.9064	1.3569	0.4023	1.9184	2.1583	0.7918
45	1.4495	0.8562	1.0767	0.4109	0.9098	1.3572	0.3948	1.8715	2.1297	0.6271
50	1.5388	0.8538	1.0431	0.4060	0.9132	1.3578	0.3870	1.8313	2.1065	0.5056
55	1.6306	0.8515	1.0088	0.4003	0.9167	1.3598	0.3790	1.7963	2.0875	0.4135
60	1.7236	0.8493	0.9738	0.3935	0.9201	1.3613	0.3709	1.7655	2.0718	0.3422
65	1.8168	0.8472	0.9383	0.3858	0.9236	1.3630	0.3627	1.7382	2.0586	0.2860
70	1.9090	0.8451	0.9021	0.3771	0.9271	1.3647	0.3545	1.7138	2.0475	0.2411
75	1.9991	0.8432	0.8653	0.3675	0.9306	1.3663	0.3462	1.6919	2.0380	0.2044
80	2.0861	0.8413	0.8280	0.3569	0.9341	1.3679	0.3382	1.6720	2.0300	0.1749
85	2.1689	0.8395	0.7901	0.3454	0.9377	1.3693	0.3300	1.6539	2.0231	0.1504
90	2.2466	0.8378	0.7517	0.3330	0.9412	1.3707	0.3221	1.6373	2.0171	0.1300
95	2.3184	0.8362	0.7128	0.3198	0.9447	1.3723	0.3144	1.6221	2.0120	0.1129
100	2.3834	0.8346	0.6734	0.3057	0.9482	1.3741	0.3069	1.6082	2.0075	0.0985
105	2.4409	0.8332	0.6336	0.2908	0.9517	1.3764	0.2997	1.5953	2.0036	0.0864
110	2.4903	0.8318	0.5933	0.2751	0.9552	1.3781	0.2928	1.5834	2.0002	0.0761
115	2.5309	0.8306	0.5526	0.2587	0.9586	1.3792	0.2863	1.5723	1.9972	0.0674
120	2.5623	0.8294	0.5118	0.2416	0.9621	1.3798	0.2801	1.5620	1.9946	0.0599
125	2.5851	0.8283	0.4702	0.2239	0.9655	1.3809	0.2742	1.5524	1.9923	0.0536
130	2.5990	0.8273	0.4286	0.2055	0.9689	1.3815	0.2689	1.5435	1.9902	0.0482
135	2.5937	0.8264	0.3866	0.1868	0.9723	1.3828	0.2639	1.5351	1.9884	0.0438
140	2.5682	0.8256	0.3442	0.1672	0.9756	1.3813	0.2594	1.5273	1.9868	0.0397
145	2.5206	0.8249	0.3017	0.1473	0.9789	1.3823	0.2555	1.5200	1.9864	0.0365
150	2.4521	0.8243	0.2590	0.1270	0.9821	1.3833	0.2520	1.5131	1.9842	0.0338
155	2.3635	0.8238	0.2161	0.1064	0.9854	1.3840	0.2491	1.5066	1.9831	0.0316
160	2.2553	0.8234	0.1731	0.0855	0.9886	1.3848	0.2466	1.5006	1.9821	0.0299
165	2.1390	0.8230	0.1299	0.0643	0.9917	1.3854	0.2447	1.4948	1.9812	0.0286
170	2.0132	0.8228	0.0866	0.0430	0.9948	1.3860	0.2433	1.4895	1.9804	0.0277
175	1.8788	0.8227	0.0433	0.0216	0.9978	1.3868	0.2425	1.4843	1.9797	0.0271
180	1.7384	0.8226	0.	0.	1.0008	1.3874	0.2422	1.4795	1.9791	0.0271

GAMMA = 0.4000

ALPHA = 10.000

K = 0.500

DC = 2.0910

XR = 1.2219

BR = 1.857346

TR = 8.27

CR = 6.4275

QR = 0.5024E 05

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8844	1.2953	0.3790	0.8844	1.2953	0.4136			
5	0.9916	0.8809	1.2694	0.3822	0.8880	1.3204	0.3909	2.9377	2.9905	22.8963
10	1.0085	0.8775	1.2427	0.3848	0.8916	1.3449	0.3859	2.4903	2.5780	7.7402
15	1.0420	0.8742	1.2153	0.3865	0.8953	1.3685	0.3807	2.2652	2.3824	4.0194
20	1.0889	0.8710	1.1872	0.3875	0.8990	1.3914	0.3751	2.1207	2.2639	2.4864
25	1.1471	0.8679	1.1584	0.3876	0.9029	1.4135	0.3692	2.0167	2.1836	1.6922
30	1.2148	0.8648	1.1288	0.3869	0.9067	1.4349	0.3629	1.9369	2.1255	1.2233
35	1.2905	0.8618	1.0986	0.3853	0.9107	1.4556	0.3563	1.8730	2.0816	0.9217
40	1.3727	0.8590	1.0676	0.3828	0.9147	1.4755	0.3493	1.8203	2.0474	0.7159
45	1.4599	0.8562	1.0360	0.3794	0.9188	1.4947	0.3421	1.7757	2.0202	0.5692
50	1.5509	0.8535	1.0037	0.3751	0.9229	1.5131	0.3346	1.7374	1.9981	0.4609
55	1.6442	0.8509	0.9708	0.3699	0.9271	1.5308	0.3270	1.7039	1.9800	0.3789
60	1.7386	0.8484	0.9372	0.3638	0.9313	1.5479	0.3192	1.6745	1.9649	0.3153
65	1.8329	0.8460	0.9030	0.3568	0.9356	1.5642	0.3113	1.6482	1.9522	0.2653
70	1.9258	0.8436	0.8682	0.3489	0.9399	1.5798	0.3034	1.6246	1.9414	0.2253
75	2.0163	0.8414	0.8329	0.3401	0.9442	1.5948	0.2956	1.6034	1.9322	0.1929
80	2.1031	0.8393	0.7970	0.3304	0.9486	1.6091	0.2877	1.5840	1.9243	0.1663
85	2.1854	0.8373	0.7606	0.3198	0.9530	1.6228	0.2800	1.5663	1.9175	0.1445
90	2.2620	0.8354	0.7236	0.3084	0.9574	1.6359	0.2724	1.5500	1.9115	0.1262
95	2.3321	0.8336	0.6862	0.2962	0.9618	1.6483	0.2650	1.5350	1.9064	0.1110
100	2.3948	0.8318	0.6483	0.2832	0.9663	1.6602	0.2578	1.5211	1.9018	0.0982
105	2.4494	0.8302	0.6099	0.2694	0.9708	1.6715	0.2508	1.5082	1.8979	0.0873
110	2.4953	0.8287	0.5712	0.2549	0.9753	1.6822	0.2442	1.4962	1.8943	0.0781
115	2.5318	0.8273	0.5320	0.2398	0.9798	1.6924	0.2379	1.4850	1.8912	0.0703
120	2.5585	0.8260	0.4925	0.2240	0.9843	1.7021	0.2319	1.4745	1.8884	0.0636
125	2.5749	0.8248	0.4527	0.2075	0.9888	1.7113	0.2263	1.4646	1.8860	0.0579
130	2.5808	0.8237	0.4125	0.1905	0.9933	1.7200	0.2211	1.4553	1.8838	0.0530
135	2.5760	0.8227	0.3721	0.1730	0.9978	1.7282	0.2164	1.4465	1.8818	0.0489
140	2.5603	0.8218	0.3314	0.1550	1.0023	1.7361	0.2121	1.4382	1.8800	0.0454
145	2.5339	0.8210	0.2905	0.1366	1.0069	1.7434	0.2082	1.4304	1.8784	0.0425
150	2.4968	0.8203	0.2494	0.1178	1.0113	1.7504	0.2049	1.4229	1.8770	0.0401
155	2.4494	0.8198	0.2081	0.0986	1.0158	1.7570	0.2020	1.4158	1.8756	0.0381
160	2.3920	0.8193	0.1666	0.0792	1.0203	1.7632	0.1997	1.4091	1.8745	0.0365
165	2.3251	0.8189	0.1251	0.0596	1.0248	1.7691	0.1978	1.4027	1.8734	0.0353
170	2.2494	0.8187	0.0834	0.0398	1.0292	1.7747	0.1965	1.3965	1.8724	0.0345
175	2.1656	0.8185	0.0417	0.0199	1.0336	1.7799	0.1957	1.3907	1.8715	0.0340
180	2.0747	0.8184	0.	0.	1.0380	1.7848	0.1954	1.3850	1.8707	0.0338

GAMMA = 0.4000 ALPHA = 10.000 K = 0.600

DC = 2.1551	XR = 1.1900	BR = 1.761153	TR = 140.30	CR = 3.8345	QR = 0.1720E 04					
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8875	1.2557	0.3547	0.8875	1.2557	0.3547			
5	0.9915	0.8835	1.2307	0.3580	0.8915	1.2800	0.3508	2.8107	2.8613	20.8972
10	1.0083	0.8797	1.2050	0.3608	0.8956	1.3036	0.3462	2.3836	2.4674	7.0617
15	1.0420	0.8760	1.1785	0.3624	0.8998	1.3264	0.3410	2.1689	2.2809	3.6652
20	1.0892	0.8724	1.1513	0.3635	0.9041	1.3484	0.3352	2.0311	2.1681	2.2681
25	1.1478	0.8689	1.1234	0.3638	0.9085	1.3698	0.3289	1.9318	2.0914	1.5444
30	1.2158	0.8654	1.0948	0.3632	0.9130	1.3903	0.3221	1.8555	2.0359	1.1174
35	1.2916	0.8621	1.0655	0.3618	0.9176	1.4102	0.3149	1.7943	1.9938	0.8430
40	1.3733	0.8589	1.0355	0.3596	0.9223	1.4293	0.3072	1.7436	1.9610	0.6559
45	1.4600	0.8558	1.0049	0.3565	0.9271	1.4477	0.2993	1.7006	1.9347	0.5225
50	1.5494	0.8529	0.9736	0.3526	0.9319	1.4654	0.2910	1.6636	1.9134	0.4241
55	1.6404	0.8500	0.9417	0.3478	0.9368	1.4824	0.2825	1.6312	1.8957	0.3495
60	1.7315	0.8472	0.9091	0.3421	0.9418	1.4987	0.2738	1.6025	1.8810	0.2918
65	1.8213	0.8446	0.8760	0.3355	0.9469	1.5143	0.2649	1.5768	1.8685	0.2463
70	1.9084	0.8420	0.8423	0.3281	0.9521	1.5292	0.2559	1.5537	1.8578	0.2099
75	1.9915	0.8398	0.8080	0.3199	0.9573	1.5435	0.2468	1.5326	1.8487	0.1803
80	2.0694	0.8373	0.7732	0.3108	0.9626	1.5571	0.2376	1.5134	1.8407	0.1561
85	2.1407	0.8350	0.7379	0.3009	0.9680	1.5701	0.2285	1.4957	1.8338	0.1361
90	2.2045	0.8329	0.7020	0.2902	0.9735	1.5825	0.2194	1.4793	1.8277	0.1194
95	2.2595	0.8310	0.6657	0.2787	0.9790	1.5943	0.2105	1.4641	1.8223	0.1054
100	2.3068	0.8291	0.6290	0.2665	0.9846	1.6025	0.2015	1.4499	1.8176	0.0935
105	2.3394	0.8273	0.5918	0.2536	0.9903	1.6162	0.1927	1.4365	1.8133	0.0834
110	2.3624	0.8257	0.5542	0.2400	0.9960	1.6264	0.1841	1.4240	1.8095	0.0748
115	2.3731	0.8241	0.5162	0.2257	1.0018	1.6360	0.1755	1.4121	1.8061	0.0675
120	2.3706	0.8227	0.4779	0.2108	1.0077	1.6451	0.1674	1.4009	1.8030	0.0611
125	2.3544	0.8214	0.4392	0.1953	1.0137	1.6533	0.1594	1.3902	1.8002	0.0556
130	2.3239	0.8202	0.4003	0.1793	1.0198	1.6619	0.1517	1.3800	1.7976	0.0509
135	2.2787	0.8191	0.3610	0.1628	1.0259	1.6697	0.1442	1.3702	1.7952	0.0468
140	2.2184	0.8182	0.3216	0.1459	1.0321	1.6770	0.1371	1.3607	1.7930	0.0433
145	2.1429	0.8173	0.2818	0.1286	1.0385	1.6840	0.1302	1.3516	1.7910	0.0403
150	2.0287	0.8166	0.2419	0.1109	1.0449	1.6905	0.2093	1.3428	1.7891	0.0385
155	2.8777	0.8159	0.2019	0.0929	1.0514	1.6967	0.1986	1.3342	1.7873	0.0718
160	2.7865	0.8154	0.1617	0.0746	1.0581	1.7025	0.1922	1.3258	1.7856	0.0663
165	2.6689	0.8150	0.1214	0.0561	1.0649	1.7081	0.1879	1.3175	1.7840	0.0627
170	2.5765	0.8147	0.0809	0.0375	1.0719	1.7134	0.1852	1.3093	1.7825	0.0605
175	2.4865	0.8146	0.0405	0.0188	1.0791	1.7185	0.1836	1.3012	1.7810	0.0593
180	2.3987	0.8145	0.	0.	1.0866	1.7232	0.1831	1.2930	1.7795	0.0589

GAMMA = 0.4000 ALPHA = 10.000 K = 0.800

DC = 2.12575	XR = 1.1615	BR = 1.626440	TR = 138.69	CR = 2.4205	QR = 0.2362E 03					
THETA	SU	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8923	1.1990	0.3229	0.8923	1.1990	0.3229			
5	0.9934	0.8876	1.1751	0.3260	0.8973	1.2221	0.3193	2.6221	2.6691	18.1018
10	1.0136	0.8830	1.1505	0.3284	0.9023	1.2446	0.3150	2.2254	2.3035	6.1195
15	1.0522	0.8785	1.1253	0.3302	0.9076	1.2663	0.3102	2.0263	2.1306	3.1811
20	1.1060	0.8741	1.0993	0.3312	0.9129	1.2873	0.3048	1.8978	2.0255	1.9729
25	1.1725	0.8700	1.0727	0.3315	0.9185	1.3076	0.2990	1.8052	1.9540	1.3485
30	1.2496	0.8659	1.0454	0.3311	0.9242	1.3272	0.2928	1.7337	1.9019	0.9806
35	1.3354	0.8620	1.0174	0.3299	0.9300	1.3461	0.2862	1.6760	1.8623	0.7446
40	1.4282	0.8582	0.9888	0.3279	0.9361	1.3643	0.2793	1.6280	1.8311	0.5839
45	1.5264	0.8546	0.9596	0.3251	0.9423	1.3819	0.2721	1.5870	1.8060	0.4696
50	1.6283	0.8511	0.9297	0.3215	0.9487	1.3987	0.2647	1.5513	1.7853	0.3854
55	1.7326	0.8478	0.8992	0.3172	0.9552	1.4149	0.2572	1.5199	1.7680	0.3218
60	1.8378	0.8445	0.8681	0.3120	0.9620	1.4304	0.2495	1.4917	1.7533	0.2728
65	1.9427	0.8415	0.8365	0.3060	0.9690	1.4454	0.2418	1.4662	1.7407	0.2343
70	2.0461	0.8386	0.8043	0.2993	0.9762	1.4598	0.2340	1.4428	1.7297	0.2038
75	2.1470	0.8357	0.7715	0.2918	0.9837	1.4733	0.2264	1.4212	1.7201	0.1793
80	2.2446	0.8330	0.7383	0.2835	0.9914	1.4865	0.2189	1.4012	1.7115	0.1595
85	2.3383	0.8305	0.7045	0.2744	0.9994	1.4990	0.2116	1.3823	1.7037	0.1435
90	2.4278	0.8281	0.6703	0.2647	1.0077	1.5111	0.2046	1.3644	1.6967	0.1307
95	2.5133	0.8258	0.6356	0.2542	1.0164	1.5227	0.1980	1.3472	1.6902	0.1204
100	2.5957	0.8237	0.6005	0.2430	1.0255	1.5338	0.1921	1.3307	1.6842	0.1125
105	2.6769	0.8217	0.5650	0.2312	1.0352	1.5446	0.1869	1.3145	1.6785	0.1068
110	2.7609	0.8198	0.5291	0.2188	1.0454	1.5550	0.1828	1.2985	1.6731	0.1033
115	2.8551	0.8181	0.4928	0.2058	1.0565	1.5651	0.1804	1.2824	1.6677	0.1023
120	2.9747	0.8164	0.4562	0.1922	1.0686	1.5751	0.1807	1.2659	1.6623	0.1046
125	3.1541	0.8150	0.4193	0.1781	1.0823	1.5852	0.1858	1.2484	1.6567	0.1123
130	3.4943	0.8136	0.3821	0.1635	1.0987	1.5958	0.2023	1.2288	1.6503	0.1316
135	4.4965	0.8124	0.3447	0.1484	1.1206	1.6080	0.2618	1.2040	1.6420	0.1946
140	1.0442	0.8113	0.3070	0.1330						
145	0.9697	0.8103	0.2691	0.1172						
150	0.8798	0.8095	0.2310	0.1010						
155	0.7741	0.8088	0.1927	0.0846						
160	0.6522	0.8082	0.1543	0.0680						
165	0.5139	0.8078	0.1158	0.0512						
170	0.3591	0.8074	0.0773	0.0342						
175	0.1878	0.8072	0.0387	0.0171						
180	0.	0.8072	0.	0.						

GAMMA = 0.4000

ALPHA = 10.000

K = 1.000

DC = 2.3381 XR = 1.1468 BR = 1.537333 TR = 104.71 CR = 1.8276 QR = 0.1006E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8961	1.1597	0.3037	0.8961	1.1597	0.3037			
5	0.9955	0.8905	1.1365	0.3064	0.9018	1.1822	0.3005	2.4851	2.5296	16.1956
10	1.0197	0.8852	1.1126	0.3084	0.9078	1.2040	0.2968	2.1104	2.1843	5.4798
15	1.0643	0.8800	1.0881	0.3099	0.9140	1.2252	0.2927	1.9223	2.0211	2.8547
20	1.1261	0.8751	1.0629	0.3107	0.9204	1.2457	0.2881	1.8006	1.9215	1.7771
25	1.2023	0.8703	1.0371	0.3108	0.9271	1.2656	0.2832	1.7124	1.8534	1.2211
30	1.2907	0.8657	1.0106	0.3103	0.9340	1.2848	0.2779	1.6439	1.8036	0.8941
35	1.3896	0.8612	0.9835	0.3090	0.9413	1.3033	0.2725	1.5884	1.7653	0.6849
40	1.4972	0.8570	0.9558	0.3071	0.9488	1.3213	0.2668	1.5417	1.7349	0.5429
45	1.6122	0.8529	0.9274	0.3044	0.9566	1.3386	0.2612	1.5015	1.7101	0.4423
50	1.7335	0.8490	0.8985	0.3009	0.9648	1.3553	0.2555	1.4661	1.6893	0.3689
55	1.8605	0.8452	0.8690	0.2968	0.9733	1.3715	0.2500	1.4344	1.6717	0.3140
60	1.9927	0.8416	0.8389	0.2918	0.9824	1.3872	0.2448	1.4056	1.6564	0.2725
65	2.1305	0.8382	0.8083	0.2862	0.9919	1.4023	0.2401	1.3789	1.6428	0.2409
70	2.2755	0.8349	0.7771	0.2798	1.0020	1.4171	0.2362	1.3539	1.6306	0.2172
75	2.4307	0.8318	0.7454	0.2727	1.0129	1.4315	0.2335	1.3301	1.6195	0.2000
80	2.6028	0.8289	0.7133	0.2649	1.0247	1.4456	0.2328	1.3070	1.6090	0.1888
85	2.8052	0.8261	0.6806	0.2564	1.0377	1.4596	0.2352	1.2841	1.5989	0.1839
90	3.0685	0.8234	0.6475	0.2472	1.0524	1.4738	0.2436	1.2608	1.5887	0.1874
95	3.4757	0.8209	0.6140	0.2374	1.0699	1.4887	0.2650	1.2357	1.5780	0.2060
100	4.3813	0.8185	0.5801	0.2269	1.0929	1.5057	0.3301	1.2061	1.5652	0.2698
105	1.2307	0.8163	0.5457	0.2159						
110	1.2485	0.8143	0.5110	0.2042						
115	1.2550	0.8124	0.4760	0.1920						
120	1.2492	0.8106	0.4406	0.1793						
125	1.2304	0.8090	0.4050	0.1661						
130	1.1979	0.8075	0.3690	0.1525						
135	1.1509	0.8061	0.3328	0.1385						
140	1.0888	0.8050	0.2964	0.1240						
145	1.0111	0.8039	0.2598	0.1093						
150	0.9173	0.8030	0.2230	0.0942						
155	0.8070	0.8022	0.1861	0.0789						
160	0.6798	0.8016	0.1490	0.0634						
165	0.5357	0.8011	0.1119	0.0477						
170	0.3743	0.8008	0.0746	0.0319						
175	0.1957	0.8005	0.0373	0.0160						
180	0.	0.8005	0.	0.						

GAMMA = 0.4000

ALPHA = 10.000

K = 1.200

DC = 2.4048 XR = 1.1375 BR = 1.474027 TR = 84.94 CR = 1.4825 QR = 0.6023E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8991	1.1306	0.2916	0.8991	1.1306	0.2916			
5	0.9977	0.8928	1.1078	0.2937	0.9056	1.1528	0.2891	2.3786	2.4212	14.7904
10	1.0265	0.8867	1.0844	0.2952	0.9125	1.1744	0.2862	2.0213	2.0920	5.0107
15	1.0783	0.8810	1.0603	0.2963	0.9196	1.1954	0.2830	1.8414	1.9359	2.6183
20	1.1496	0.8754	1.0356	0.2967	0.9271	1.2157	0.2795	1.7246	1.8403	1.6379
25	1.2375	0.8701	1.0103	0.2966	0.9350	1.2355	0.2759	1.6395	1.7746	1.1330
30	1.3400	0.8650	0.9844	0.2958	0.9432	1.2547	0.2722	1.5730	1.7261	0.8369
35	1.4558	0.8601	0.9578	0.2944	0.9519	1.2734	0.2686	1.5185	1.6885	0.6482
40	1.5839	0.8554	0.9307	0.2923	0.9611	1.2915	0.2652	1.4723	1.6582	0.5211
45	1.7245	0.8509	0.9030	0.2896	0.9708	1.3092	0.2623	1.4320	1.6331	0.4322
50	1.8783	0.8466	0.8748	0.2861	0.9812	1.3265	0.2603	1.3959	1.6116	0.3688
55	2.0484	0.8425	0.8459	0.2820	0.9925	1.3435	0.2596	1.3629	1.5928	0.3235
60	2.2436	0.8386	0.8166	0.2772	1.0047	1.3603	0.2611	1.3320	1.5759	0.2922
65	2.4679	0.8349	0.7867	0.2717	1.0183	1.3771	0.2663	1.3023	1.5602	0.2732
70	2.7590	0.8313	0.7563	0.2656	1.0338	1.3942	0.2784	1.2729	1.5451	0.2676
75	3.1926	0.8280	0.7254	0.2587	1.0523	1.4122	0.3059	1.2423	1.5296	0.2821
80	4.0921	0.8248	0.6941	0.2512	1.0767	1.4329	0.3835	1.2074	1.5120	0.3505
85	1.1058	0.8217	0.6622	0.2431						
90	1.1614	0.8189	0.6300	0.2343						
95	1.2090	0.8162	0.5973	0.2249						
100	1.2479	0.8136	0.5643	0.2150						
105	1.2768	0.8113	0.5308	0.2044						
110	1.2950	0.8091	0.4971	0.1934						
115	1.3014	0.8070	0.4630	0.1818						
120	1.2951	0.8051	0.4285	0.1697						
125	1.2754	0.8034	0.3938	0.1572						
130	1.2415	0.8018	0.3589	0.1443						
135	1.1926	0.8004	0.3237	0.1310						
140	1.1281	0.7991	0.2883	0.1173						
145	1.0475	0.7979	0.2526	0.1033						
150	0.9502	0.7970	0.2169	0.0891						
155	0.8358	0.7962	0.1809	0.0746						
160	0.7041	0.7955	0.1449	0.0599						
165	0.5547	0.7950	0.1088	0.0451						
170	0.3876	0.7946	0.0725	0.0301						
175	0.2227	0.7944	0.0363	0.0151						
180	0.	0.7943	0.	0.						

GAMMA * 0.4000

ALPHA * 10.000

K * 1.400

DC * 2.14818	NR * 1.1311	BR * 1.426687	TR * 71.75	CR * 2.2523	QR * 0.42219E 02					
THEVA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9015	1.1082	0.12840	0.9015	1.1082	0.12840			
5	1.10001	0.8945	1.10855	0.12853	0.9088	1.11303	0.12825	2.12928	2.13337	13.6991
10	1.10342	0.8878	1.10823	0.12863	0.9165	1.11518	0.12806	1.19692	2.0172	4.6494
15	1.10943	0.8816	1.10385	0.12868	0.9246	1.11728	0.12785	1.17756	1.8866	2.4389
20	1.11765	0.8754	1.10141	0.12868	0.9332	1.11932	0.12765	1.66625	1.7741	1.5348
25	1.12783	0.8698	0.19891	0.12862	0.9428	1.12132	0.12747	1.15795	1.7100	1.0701
30	1.13985	0.8640	0.9836	0.12852	0.9520	1.12328	0.12733	1.5142	1.6622	0.7989
35	1.15348	0.8587	0.9375	0.12836	0.9623	1.12519	0.12727	1.4601	1.6246	0.6275
40	1.16948	0.8538	0.9208	0.12823	0.9735	1.12708	0.12733	1.4136	1.5939	0.5139
45	1.18768	0.8488	0.8836	0.12784	0.9857	1.12895	0.12759	1.3722	1.5678	0.4373
50	2.0917	0.8442	0.8658	0.12750	0.9992	1.13082	0.12819	1.3342	1.5448	0.3867
55	2.13600	0.8398	0.8275	0.12708	1.0144	1.13279	0.12941	1.2982	1.5237	0.3579
60	2.17331	0.8356	0.7987	0.12660	1.0324	1.13472	0.13191	1.2625	1.5033	0.3528
65	2.13858	0.8316	0.7894	0.12606	1.0552	1.13693	0.13791	1.2244	1.4819	0.3907
70	2.17727	0.8278	0.7795	0.12558	1.0913	1.13990	0.14612	1.1751	1.4537	0.6563
75	1.10098	0.8242	0.7093	0.12479						
80	1.10798	0.8208	0.6786	0.12406						
85	1.11498	0.8178	0.6574	0.12327						
90	1.12008	0.8145	0.6158	0.12243						
95	1.12494	0.8117	0.5839	0.12152						
100	1.12891	0.8090	0.5515	0.12058						
105	1.13187	0.8065	0.5188	0.11955						
110	1.13371	0.8041	0.4858	0.11848						
115	1.13523	0.8019	0.4524	0.11737						
120	1.1366	0.7999	0.4187	0.11622						
125	1.13780	0.7981	0.3848	0.11502						
130	1.13807	0.7964	0.3506	0.11378						
135	1.13900	0.7949	0.3162	0.11251						
140	1.14034	0.7936	0.2816	0.11120						
145	1.14081	0.7924	0.2468	0.10987						
150	0.19798	0.7914	0.2119	0.10850						
155	0.18617	0.7905	0.1768	0.10712						
160	0.17258	0.7898	0.1415	0.10572						
165	0.15718	0.7892	0.1062	0.10430						
170	0.13995	0.7889	0.0709	0.10287						
175	0.12089	0.7886	0.0354	0.10144						
180	0.	0.7885	0.	0.						

GAMMA * 0.4000

ALPHA * 10.000

K * 1.600

DC = 2.5118	NR = 1.1264	BR = 1.1389917	TR = 82.25	CR = 1.0864	QR = 0.3224E 02					
THEVA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9035	1.10902	0.12794	0.9035	1.10902	0.12794			
5	1.10027	0.8958	1.10676	0.12798	0.9116	1.11124	0.12788	2.12207	2.2604	12.8219
10	1.10429	0.8888	1.10445	0.12801	0.9201	1.11340	0.12782	1.8883	1.9542	4.3618
15	1.11121	0.8818	1.10208	0.12800	0.9292	1.11532	0.12777	1.7204	1.8085	2.2982
20	1.12069	0.8751	0.9966	0.12795	0.9390	1.11768	0.12777	1.6100	1.7182	1.4560
25	1.13254	0.8688	0.9719	0.12786	0.9494	1.11964	0.12785	1.5285	1.6551	1.0249
30	1.14679	0.8628	0.9466	0.12772	0.9606	1.12168	0.12805	1.4637	1.6075	0.7751
35	1.16373	0.8572	0.9208	0.12752	0.9730	1.12367	0.12846	1.4093	1.5695	0.6199
40	1.18416	0.8517	0.8944	0.12728	0.9866	1.12569	0.12922	1.3616	1.5377	0.5210
45	2.10984	0.8466	0.8676	0.12697	1.0021	1.12774	0.13063	1.3180	1.5097	0.4611
50	2.14525	0.8417	0.8402	0.12661	1.0203	1.12990	0.13333	1.2762	1.4838	0.4354
55	2.10497	0.8370	0.8123	0.12619	1.0439	1.13229	0.13949	1.2333	1.4576	0.4587
60	4.19137	0.8328	0.7839	0.12572	1.0786	1.13543	0.14421	1.1809	1.4255	0.6781
65	0.8844	0.8283	0.7550	0.12518						
70	0.9849	0.8243	0.7257	0.12458						
75	1.0415	0.8205	0.6959	0.12392						
80	1.11131	0.8169	0.6657	0.12321						
85	1.17786	0.8136	0.6351	0.12244						
90	1.2368	0.8104	0.6040	0.12161						
95	1.2867	0.8073	0.5726	0.12073						
100	1.3272	0.8045	0.5409	0.11980						
105	1.3571	0.8019	0.5087	0.11882						
110	1.3756	0.7994	0.4763	0.11779						
115	1.3817	0.7972	0.4436	0.11672						
120	1.3744	0.7951	0.4105	0.11560						
125	1.3529	0.7932	0.3773	0.11444						
130	1.3164	0.7914	0.3437	0.11325						
135	1.2641	0.7898	0.3100	0.11202						
140	1.1954	0.7884	0.2761	0.11077						
145	1.11098	0.7872	0.2419	0.10948						
150	1.0063	0.7861	0.2077	0.10819						
155	0.8851	0.7852	0.1733	0.10684						
160	0.7455	0.7845	0.1387	0.10550						
165	0.5873	0.7839	0.1041	0.10413						
170	0.4103	0.7835	0.0695	0.10276						
175	0.2145	0.7833	0.0347	0.10137						
180	0.	0.7832	0.	0.						

GAMMA = 0.4000

ALPHA = 10.000

K = 1.800

DC = 2.5564 XR = 1.1227 BR = 1.360515 TR = 55.03 CR = 6.9605 QR = 0.2602E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9052	1.0756	0.2769	0.9052	1.0756	0.2769			
5	1.0055	0.8968	1.0529	0.2764	0.9140	1.0978	0.2775	2.1596	2.1981	12.0961
10	1.0522	0.8890	1.0298	0.2758	0.9234	1.1197	0.2784	1.8370	1.9010	4.1259
15	1.1319	0.8816	1.0061	0.2751	0.9335	1.1412	0.2799	1.6729	1.7586	2.1855
20	1.2411	0.8745	0.9820	0.2740	0.9444	1.1625	0.2824	1.5646	1.6699	1.3954
25	1.3797	0.8679	0.9574	0.2727	0.9563	1.1837	0.2866	1.4840	1.6074	0.9932
30	1.5511	0.8615	0.9323	0.2709	0.9694	1.2049	0.2936	1.4191	1.5596	0.7632
35	1.7656	0.8555	0.9067	0.2687	0.9841	1.2263	0.3056	1.3636	1.5206	0.6251
40	2.0482	0.8498	0.8806	0.2659	1.0011	1.2486	0.3268	1.3137	1.4868	0.5460
45	2.4678	0.8443	0.8540	0.2627	1.0216	1.2725	0.3688	1.2660	1.4555	0.5183
50	3.3064	0.8392	0.8269	0.2590	1.0492	1.3005	0.4783	1.2156	1.4230	0.5781
55	0.7386	0.8342	0.7994	0.2547						
60	0.8256	0.8296	0.7713	0.2499						
65	0.9108	0.8252	0.7428	0.2445						
70	0.9932	0.8210	0.7139	0.2385						
75	1.0715	0.8170	0.6845	0.2320						
80	1.1446	0.8132	0.6547	0.2250						
85	1.2113	0.8097	0.6245	0.2174						
90	1.2707	0.8064	0.5940	0.2093						
95	1.3214	0.8032	0.5630	0.2007						
100	1.3624	0.8003	0.5318	0.1916						
105	1.3928	0.7976	0.5001	0.1821						
110	1.4113	0.7950	0.4682	0.1721						
115	1.4172	0.7927	0.4360	0.1616						
120	1.4094	0.7905	0.4035	0.1508						
125	1.3870	0.7885	0.3708	0.1396						
130	1.3493	0.7867	0.3378	0.1280						
135	1.2954	0.7850	0.3046	0.1162						
140	1.2248	0.7836	0.2713	0.1040						
145	1.1368	0.7823	0.2377	0.0916						
150	1.0308	0.7812	0.2041	0.0789						
155	0.9065	0.7803	0.1702	0.0661						
160	0.7634	0.7795	0.1363	0.0531						
165	0.6014	0.7789	0.1023	0.0399						
170	0.4202	0.7785	0.0682	0.0267						
175	0.2197	0.7782	0.0341	0.0133						
180	0.	0.7781	0.	0.						

GAMMA = 0.4000

ALPHA = 10.000

K = 2.000

DC = 2.5967 XR = 1.1198 BR = 1.336456 TR = 49.36 CR = 0.8614 QR = 0.2179E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9066	1.0633	0.2760	0.9066	1.0633	0.2760			
5	1.0085	0.8977	1.0405	0.2744	0.9162	1.0858	0.2779	2.1061	2.1436	11.4846
10	1.0626	0.8893	1.0173	0.2730	0.9265	1.1080	0.2805	1.7913	1.8538	3.9303
15	1.1536	0.8813	0.9937	0.2715	0.9376	1.1300	0.2844	1.6312	1.7149	2.0938
20	1.2794	0.8739	0.9696	0.2699	0.9498	1.1520	0.2901	1.5245	1.6274	1.3487
25	1.4424	0.8668	0.9451	0.2680	0.9633	1.1741	0.2991	1.4443	1.5650	0.9726
30	1.6527	0.8601	0.9201	0.2659	0.9785	1.1966	0.3137	1.3786	1.5164	0.7625
35	1.9370	0.8538	0.8946	0.2633	0.9962	1.2201	0.3393	1.3213	1.4757	0.6457
40	2.3730	0.8478	0.8687	0.2604	1.0180	1.2457	0.3901	1.2675	1.4388	0.6012
45	3.3096	0.8421	0.8423	0.2569	1.0481	1.2765	0.5305	1.2110	1.4005	0.6755
50	0.6705	0.8367	0.8155	0.2530						
55	0.7661	0.8315	0.7882	0.2487						
60	0.8490	0.8267	0.7604	0.2438						
65	0.9360	0.8220	0.7322	0.2383						
70	1.0260	0.8177	0.7036	0.2324						
75	1.0998	0.8136	0.6746	0.2259						
80	1.1742	0.8097	0.6452	0.2190						
85	1.2421	0.8060	0.6154	0.2115						
90	1.3024	0.8025	0.5852	0.2035						
95	1.3538	0.7993	0.5547	0.1951						
100	1.3954	0.7963	0.5238	0.1862						
105	1.4260	0.7934	0.4926	0.1769						
110	1.4446	0.7908	0.4612	0.1671						
115	1.4501	0.7884	0.4294	0.1569						
120	1.4418	0.7861	0.3974	0.1464						
125	1.4186	0.7841	0.3651	0.1354						
130	1.3797	0.7822	0.3327	0.1242						
135	1.3244	0.7805	0.3000	0.1127						
140	1.2520	0.7790	0.2671	0.1009						
145	1.1619	0.7777	0.2341	0.0888						
150	1.0534	0.7765	0.2009	0.0765						
155	0.9263	0.7756	0.1676	0.0641						
160	0.7800	0.7748	0.1342	0.0514						
165	0.6144	0.7742	0.1007	0.0387						
170	0.4292	0.7737	0.0672	0.0258						
175	0.2244	0.7735	0.0336	0.0129						
180	0.	0.7734	0.	0.						

GAMMA=0.4000 ALPHA=10.000 K= 2.20

DC= 2.6336 XR= 1.11741 BR= 1.31640
TR=44.7640 CR= 0.78128 QR=18.73055

THETA	ST	X1	B1	S1
0	1.0000	0.9079	1.0530	0.2762
5	1.0117	0.8983	1.0299	0.2735
10	1.0735	0.8894	1.0066	0.2711
15	1.1773	0.8810	0.9829	0.2689
20	1.3221	0.8731	0.9588	0.2667
25	1.5155	0.8657	0.9344	0.2644
30	1.7802	0.8587	0.9094	0.2618
35	2.1838	0.8520	0.8841	0.2589
40	3.0139	0.8457	0.8583	0.2557
45	0.5981	0.8398	0.8321	0.2521
50	0.6892	0.8342	0.8055	0.2480
55	0.7807	0.8288	0.7784	0.2435
60	0.8713	0.8238	0.7509	0.2385
65	0.9600	0.8190	0.7229	0.2331
70	1.0455	0.8145	0.6946	0.2271
75	1.1266	0.8102	0.6659	0.2207
80	1.2022	0.8062	0.6368	0.2138
85	1.2712	0.8024	0.6073	0.2064
90	1.3323	0.7989	0.5774	0.1985
95	1.3844	0.7955	0.5473	0.1902
100	1.4264	0.7924	0.5168	0.1815
105	1.4572	0.7895	0.4860	0.1727
110	1.4757	0.7868	0.4549	0.1627
115	1.4810	0.7843	0.4236	0.1528
120	1.4721	0.7820	0.3920	0.1425
125	1.4481	0.7798	0.3601	0.1318
130	1.4081	0.7779	0.3281	0.1209
135	1.3514	0.7762	0.2958	0.1096
140	1.2773	0.7747	0.2634	0.0981
145	1.1852	0.7733	0.2308	0.0864
150	1.0745	0.7721	0.1981	0.0744
155	0.9447	0.7711	0.1653	0.0623
160	0.7955	0.7703	0.1323	0.0500
165	0.6265	0.7697	0.0993	0.0376
170	0.4377	0.7693	0.0662	0.0251
175	0.2288	0.7690	0.0331	0.0126
180	0.	0.7689	0.	0.

GAMMA=0.4000 ALPHA=10.000 K= 2.60

DC= 2.6994 XR= 1.11376 BR= 1.28485
TR=37.7753 CR= 0.65930 QR=14.62592

THETA	ST	X1	B1	S1
0	1.0000	0.9099	1.0363	0.2793
5	1.0186	0.8991	1.0128	0.2740
10	1.0982	0.8892	0.9891	0.2696
15	1.2312	0.8799	0.9652	0.2659
20	1.4241	0.8713	0.9410	0.2624
25	1.7067	0.8632	0.9165	0.2591
30	2.1820	0.8556	0.8916	0.2557
35	3.4836	0.8484	0.8664	0.2521
40	0.5369	0.8417	0.8408	0.2484
45	0.6302	0.8353	0.8149	0.2443
50	0.7248	0.8293	0.7885	0.2399
55	0.8195	0.8236	0.7618	0.2351
60	0.9133	0.8183	0.7346	0.2300
65	1.0049	0.8132	0.7071	0.2244
70	1.0930	0.8084	0.6792	0.2184
75	1.1766	0.8039	0.6510	0.2120
80	1.2543	0.7997	0.6224	0.2052
85	1.3250	0.7957	0.5935	0.1975
90	1.3875	0.7919	0.5642	0.1902
95	1.4406	0.7884	0.5347	0.1821
100	1.4833	0.7851	0.5048	0.1734
105	1.5143	0.7821	0.4746	0.1647
110	1.5327	0.7792	0.4442	0.1555
115	1.5374	0.7766	0.4135	0.1459
120	1.5274	0.7742	0.3826	0.1360
125	1.5018	0.7720	0.3515	0.1258
130	1.4597	0.7700	0.3202	0.1153
135	1.4005	0.7682	0.2887	0.1045
140	1.3233	0.7666	0.2571	0.0935
145	1.2275	0.7652	0.2252	0.0823
150	1.1125	0.7639	0.1933	0.0709
155	0.9780	0.7629	0.1613	0.0593
160	0.8233	0.7621	0.1291	0.0476
165	0.6484	0.7614	0.0969	0.0358
170	0.4529	0.7610	0.0646	0.0237
175	0.2368	0.7607	0.0323	0.0121
180	0.	0.7606	0.	0.

GAMMA=0.4000 ALPHA=10.000 K= 3.000

DC= 2.7570 XR= 1.11109 BR= 1.26116
TR=32.6969 CR= 0.57067 QR=12.00044

THETA	ST	X1	B1	S1
0	1.0000	0.9115	1.0235	0.2847
5	1.0266	0.8996	0.9993	0.2765
10	1.1262	0.8887	0.9752	0.2700
15	1.2947	0.8786	0.9510	0.2646
20	1.5557	0.8693	0.9266	0.2599
25	2.0056	0.8606	0.9020	0.2555
30	3.2626	0.8525	0.8771	0.2511
35	0.4696	0.8449	0.8520	0.2471
40	0.5638	0.8377	0.8265	0.2428
45	0.6603	0.8310	0.8007	0.2383
50	0.7581	0.8246	0.7746	0.2336
55	0.8558	0.8187	0.7481	0.2286
60	0.9522	0.8130	0.7212	0.2232
65	1.0463	0.8077	0.6941	0.2175
70	1.1367	0.8027	0.6665	0.2115
75	1.2223	0.7980	0.6387	0.2050
80	1.3018	0.7936	0.6105	0.1982
85	1.3739	0.7894	0.5820	0.1910
90	1.4376	0.7855	0.5532	0.1834
95	1.4915	0.7818	0.5242	0.1755
100	1.5347	0.7784	0.4948	0.1672
105	1.5668	0.7753	0.4652	0.1586
110	1.5839	0.7723	0.4353	0.1496
115	1.5879	0.7696	0.4052	0.1403
120	1.5768	0.7671	0.3749	0.1307
125	1.5498	0.7648	0.3444	0.1208
130	1.5058	0.7627	0.3137	0.1107
135	1.4442	0.7609	0.2828	0.1003
140	1.3642	0.7592	0.2517	0.0897
145	1.2651	0.7577	0.2206	0.0789
150	1.1463	0.7565	0.1893	0.0680
155	1.0075	0.7554	0.1579	0.0569
160	0.8481	0.7545	0.1264	0.0457
165	0.6678	0.7539	0.0949	0.0343
170	0.4664	0.7534	0.0633	0.0229
175	0.2438	0.7531	0.0316	0.0115
180	0.	0.7530	0.	0.

GAMMA=0.4000 ALPHA=10.000 K= 4.000

DC= 2.8771 XR= 1.10673 BR= 1.22157
TR=24.5034 CR= 0.42766 QR= 8.29429

THETA	ST	X1	B1	S1
0	1.0000	0.9144	1.0016	0.3043
5	1.0496	0.8997	0.9755	0.2875
10	1.2121	0.8866	0.9500	0.2751
15	1.5146	0.8747	0.9249	0.2655
20	2.1965	0.8639	0.8999	0.2576
25	0.3322	0.8540	0.8749	0.2507
30	0.4259	0.8447	0.8499	0.2446
35	0.5242	0.8362	0.8247	0.2389
40	0.6256	0.8282	0.7993	0.2333
45	0.7290	0.8207	0.7737	0.2279
50	0.8332	0.8137	0.7479	0.2224
55	0.9369	0.8071	0.7218	0.2167
60	1.0390	0.8010	0.6955	0.2109
65	1.1381	0.7952	0.6689	0.2049
70	1.2331	0.7898	0.6420	0.1987
75	1.3226	0.7847	0.6149	0.1921
80	1.4054	0.7799	0.5875	0.1853
85	1.4803	0.7754	0.5598	0.1782
90	1.5466	0.7712	0.5319	0.1708
95	1.6013	0.7673	0.5038	0.1632
100	1.6456	0.7636	0.4754	0.1552
105	1.6766	0.7602	0.4468	0.1470
110	1.6932	0.7571	0.4180	0.1385
115	1.6954	0.7542	0.3890	0.1297
120	1.6818	0.7515	0.3598	0.1207
125	1.6513	0.7491	0.3304	0.1115
130	1.6031	0.7469	0.3009	0.1021
135	1.5363	0.7449	0.2712	0.0924
140	1.4502	0.7431	0.2414	0.0826
145	1.3440	0.7415	0.2115	0.0726
150	1.2173	0.7402	0.1815	0.0625
155	1.0693	0.7391	0.1514	0.0523
160	0.8998	0.7382	0.1212	0.0420
165	0.7084	0.7374	0.0909	0.0315
170	0.4947	0.7369	0.0606	0.0211
175	0.2586	0.7366	0.0303	0.0105
180	0.	0.7365	0.	0.

GAMMA=0.4000 ALPHA=10.000 K= 6.000

DC= 3.0585 XR= 1.10236 BR= 1.18053
TR=16.3491 CR= 0.28535 QR= 5.14110

THETA	ST	X1	B1	S1
0	1.0000	0.9176	0.9781	0.355
5	1.1106	0.8977	0.9478	0.316
10	1.4807	0.8808	0.9194	0.2911
15	3.1184	0.8661	0.8923	0.2729
20	0.3607	0.8530	0.8659	0.2590
25	0.14021	0.8411	0.8400	0.2478
30	0.5084	0.8303	0.8144	0.2384
35	0.6184	0.8204	0.7889	0.2301
40	0.7308	0.8113	0.7635	0.2226
45	0.8445	0.8028	0.7380	0.2155
50	0.9581	0.7949	0.7125	0.2088
55	1.0705	0.7875	0.6869	0.2022
60	1.1804	0.7807	0.6611	0.1957
65	1.2866	0.7743	0.6352	0.1891
70	1.3876	0.7683	0.6091	0.1825
75	1.4823	0.7627	0.5829	0.1758
80	1.5693	0.7574	0.5565	0.1690
85	1.6473	0.7525	0.5299	0.1619
90	1.7151	0.7480	0.5031	0.1548
95	1.7715	0.7437	0.4762	0.1474
100	1.8152	0.7398	0.4491	0.1398
105	1.8450	0.7361	0.4219	0.1321
110	1.8599	0.7327	0.3945	0.1242
115	1.8588	0.7296	0.3669	0.1161
120	1.8406	0.7267	0.3392	0.1079
125	1.8043	0.7241	0.3114	0.0995
130	1.7490	0.7217	0.2835	0.0909
135	1.6740	0.7196	0.2555	0.0822
140	1.5783	0.7177	0.2273	0.0734
145	1.4613	0.7160	0.1991	0.0645
150	1.3223	0.7146	0.1708	0.0555
155	1.1608	0.7134	0.1424	0.0463
160	0.9762	0.7124	0.1140	0.0372
165	0.7681	0.7116	0.0855	0.0279
170	0.5362	0.7111	0.0570	0.0186
175	0.2802	0.7108	0.0285	0.0093
180	0.	0.7106	0.	0.

GAMMA=0.4000 ALPHA=10.000 K= 8.000

DC= 3.1985 XR= 1.10016 BR= 1.15942
TR=12.2746 CR= 0.21423 QR= 3.73023

THETA	ST	X1	B1	S1
0	1.0000	0.9193	0.9656	0.4126
5	1.1934	0.8947	0.9310	0.3465
10	2.1192	0.8746	0.9000	0.3074
15	0.2448	0.8576	0.8710	0.2812
20	0.3513	0.8427	0.8434	0.2621
25	0.4632	0.8295	0.8167	0.2473
30	0.5792	0.8176	0.7905	0.2352
35	0.6981	0.8068	0.7647	0.2250
40	0.8187	0.7968	0.7391	0.2159
45	0.9399	0.7877	0.7137	0.2077
50	1.0603	0.7792	0.6883	0.2001
55	1.1789	0.7713	0.6629	0.1928
60	1.2942	0.7640	0.6375	0.1858
65	1.4049	0.7572	0.6121	0.1789
70	1.5099	0.7509	0.5865	0.1720
75	1.6077	0.7449	0.5609	0.1651
80	1.6971	0.7394	0.5351	0.1582
85	1.7767	0.7343	0.5093	0.1513
90	1.8454	0.7295	0.4833	0.1442
95	1.9017	0.7250	0.4572	0.1370
100	1.9447	0.7209	0.4310	0.1297
105	1.9729	0.7170	0.4046	0.1223
110	1.9854	0.7135	0.3782	0.1148
115	1.9811	0.7102	0.3517	0.1072
120	1.9588	0.7072	0.3250	0.0994
125	1.9177	0.7045	0.2983	0.0916
130	1.8568	0.7020	0.2714	0.0836
135	1.7753	0.6998	0.2445	0.0755
140	1.6722	0.6978	0.2176	0.0674
145	1.5470	0.6961	0.1905	0.0591
150	1.3989	0.6946	0.1634	0.0508
155	1.2273	0.6934	0.1362	0.0424
160	1.0316	0.6923	0.1090	0.0340
165	0.8114	0.6916	0.0818	0.0255
170	0.5663	0.6910	0.0546	0.0170
175	0.2959	0.6907	0.0273	0.0085
180	0.	0.6905	0.	0.

GAMMA=0.4000 ALPHA=10.000 K=10.000

DC= 3.3152 XR= 1.09883 BR= 1.14655
TR= 9.8278 CR= 0.17153 QR= 2.92859

THETA	ST	X1	B1	S1
0	1.0000	0.9204	0.9579	0.4724
5	1.3026	0.8912	0.9191	0.3749
10	0.1707	0.8685	0.8856	0.3221
15	0.2809	0.8496	0.8551	0.2885
20	0.3971	0.8334	0.8264	0.2649
25	0.5177	0.8191	0.7990	0.2471
30	0.6415	0.8063	0.7724	0.2330
35	0.7675	0.7948	0.7463	0.2212
40	0.8946	0.7843	0.7206	0.2110
45	1.0215	0.7746	0.6951	0.2019
50	1.1472	0.7657	0.6698	0.1936
55	1.2703	0.7575	0.6447	0.1859
60	1.3896	0.7499	0.6195	0.1784
65	1.5037	0.7428	0.5944	0.1712
70	1.6114	0.7362	0.5692	0.1642
75	1.7113	0.7301	0.5440	0.1572
80	1.8021	0.7243	0.5188	0.1503
85	1.8825	0.7190	0.4935	0.1434
90	1.9513	0.7140	0.4681	0.1364
95	2.0072	0.7094	0.4426	0.1294
100	2.0490	0.7052	0.4171	0.1223
105	2.0755	0.7012	0.3914	0.1151
110	2.0856	0.6976	0.3657	0.1079
115	2.0783	0.6942	0.3400	0.1006
120	2.0525	0.6911	0.3141	0.0932
125	2.0072	0.6883	0.2882	0.0857
130	1.9415	0.6858	0.2622	0.0782
135	1.8546	0.6835	0.2362	0.0706
140	1.7455	0.6815	0.2101	0.0629
145	1.6137	0.6797	0.1839	0.0552
150	1.4583	0.6782	0.1577	0.0474
155	1.2787	0.6769	0.1315	0.0395
160	1.0744	0.6759	0.1052	0.0317
165	0.8448	0.6751	0.0789	0.0238
170	0.5895	0.6745	0.0526	0.0159
175	0.3080	0.6741	0.0263	0.0079
180	0.	0.6740	0.	0.

GAMMA=0.4000 ALPHA=10.000 K=20.000

DC= 3.7376 XR= 1.09616 BR= 1.12035
TR= 3.9242 CR= 0.06849 QR= 1.41364

THETA	ST	X1	B1	S1
0	1.0000	0.9224	0.9416	0.7722
5	0.1285	0.8742	0.8843	0.4848
10	0.2784	0.8418	0.8417	0.3715
15	0.4280	0.8169	0.8059	0.3109
20	0.5772	0.7965	0.7738	0.2723
25	0.7266	0.7792	0.7441	0.2453
30	0.8758	0.7640	0.7160	0.2249
35	1.0244	0.7505	0.6892	0.2088
40	1.1715	0.7384	0.6631	0.1954
45	1.3160	0.7275	0.6377	0.1840
50	1.4568	0.7175	0.6127	0.1739
55	1.5927	0.7083	0.5881	0.1648
60	1.7223	0.6998	0.5638	0.1564
65	1.8445	0.6920	0.5397	0.1485
70	1.9578	0.6848	0.5157	0.1411
75	2.0611	0.6781	0.4919	0.1339
80	2.1530	0.6719	0.4682	0.1270
85	2.2324	0.6661	0.4446	0.1202
90	2.2980	0.6607	0.4210	0.1136
95	2.3487	0.6558	0.3975	0.1070
100	2.3833	0.6512	0.3740	0.1006
105	2.4008	0.6470	0.3506	0.0942
110	2.4003	0.6431	0.3271	0.0878
115	2.3805	0.6395	0.3037	0.0815
120	2.3408	0.6362	0.2803	0.0751
125	2.2800	0.6332	0.2569	0.0688
130	2.1974	0.6305	0.2336	0.0626
135	2.0922	0.6281	0.2102	0.0563
140	1.9635	0.6260	0.1868	0.0500
145	1.8105	0.6241	0.1635	0.0436
150	1.6325	0.6225	0.1401	0.0375
155	1.4288	0.6211	0.1167	0.0312
160	1.1987	0.6200	0.0934	0.0250
165	0.9414	0.6192	0.0700	0.0187
170	0.6563	0.6186	0.0467	0.0125
175	0.3427	0.6182	0.0233	0.0062
180	0.	0.6181	0.	0.

SARMA = 0.4000

ALPHA = 11.000

K = 0.200

BC = 1.7672

XD = 1.6670

BD = 2.293845

W2 = -0.3051E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8789	1.5350	0.5399	0.8789	1.5350	0.5902			
5	0.9899	0.8772	1.5039	0.5432	0.8806	1.5653	0.5860	3.6065	3.6716	34.8547
10	1.0043	0.8756	1.4720	0.5457	0.8823	1.5947	0.5811	3.0513	3.1593	11.7815
15	1.0347	0.8740	1.4392	0.5471	0.8840	1.6233	0.5756	2.7717	2.9161	6.1164
20	1.0778	0.8724	1.4056	0.5475	0.8857	1.6511	0.5694	2.5923	2.7688	3.7800
25	1.1313	0.8708	1.3712	0.5468	0.8875	1.6781	0.5628	2.4632	2.6687	2.5689
30	1.1937	0.8693	1.3360	0.5450	0.8892	1.7042	0.5556	2.3642	2.5964	1.8521
35	1.2637	0.8678	1.3000	0.5421	0.8909	1.7295	0.5480	2.2851	2.5419	1.3903
40	1.3398	0.8663	1.2633	0.5380	0.8927	1.7540	0.5401	2.2200	2.4995	1.0744
45	1.4210	0.8648	1.2257	0.5327	0.8944	1.7777	0.5319	2.1653	2.4660	0.8486
50	1.5061	0.8634	1.1874	0.5263	0.8962	1.8006	0.5233	2.1184	2.4389	0.6817
55	1.5941	0.8621	1.1484	0.5186	0.8979	1.8226	0.5147	2.0778	2.4168	0.5551
60	1.6838	0.8607	1.1086	0.5098	0.8996	1.8440	0.5058	2.0423	2.3985	0.4570
65	1.7743	0.8594	1.0681	0.4997	0.9013	1.8645	0.4969	2.0108	2.3833	0.3796
70	1.8646	0.8582	1.0270	0.4884	0.9030	1.8844	0.4879	1.9829	2.3706	0.3177
75	1.9536	0.8570	0.9851	0.4759	0.9047	1.9034	0.4790	1.9578	2.3599	0.2676
80	2.0403	0.8559	0.9427	0.4622	0.9064	1.9218	0.4701	1.9353	2.3508	0.2286
85	2.1240	0.8547	0.8996	0.4473	0.9081	1.9394	0.4614	1.9149	2.3430	0.1929
90	2.2036	0.8537	0.8559	0.4314	0.9097	1.9564	0.4528	1.8964	2.3364	0.1648
95	2.2785	0.8527	0.8116	0.4142	0.9113	1.9727	0.4444	1.8795	2.3308	0.1414
100	2.3477	0.8517	0.7668	0.3961	0.9129	1.9883	0.4363	1.8641	2.3259	0.1218
105	2.4105	0.8508	0.7215	0.3768	0.9145	2.0033	0.4285	1.8500	2.3217	0.1053
110	2.4663	0.8500	0.6756	0.3566	0.9160	2.0176	0.4210	1.8371	2.3181	0.0913
115	2.5145	0.8492	0.6294	0.3354	0.9175	2.0314	0.4139	1.8252	2.3149	0.0794
120	2.5546	0.8485	0.5827	0.3133	0.9190	2.0445	0.4072	1.8142	2.3122	0.0694
125	2.5861	0.8478	0.5355	0.2903	0.9204	2.0571	0.4009	1.8041	2.3099	0.0609
130	2.6086	0.8472	0.4881	0.2666	0.9218	2.0692	0.3951	1.7947	2.3078	0.0537
135	2.6218	0.8466	0.4402	0.2421	0.9232	2.0807	0.3897	1.7860	2.3061	0.0476
140	2.6256	0.8461	0.3921	0.2169	0.9246	2.0917	0.3849	1.7780	2.3045	0.0424
145	2.6199	0.8456	0.3437	0.1911	0.9259	2.1022	0.3806	1.7706	2.3032	0.0382
150	2.6047	0.8452	0.2950	0.1648	0.9272	2.1122	0.3768	1.7637	2.3020	0.0346
155	2.5800	0.8449	0.2462	0.1381	0.9284	2.1217	0.3736	1.7573	2.3010	0.0317
160	2.5462	0.8446	0.1972	0.1109	0.9296	2.1308	0.3709	1.7513	2.3001	0.0295
165	2.5035	0.8444	0.1480	0.0835	0.9308	2.1395	0.3688	1.7458	2.2993	0.0278
170	2.4524	0.8443	0.0987	0.0558	0.9319	2.1477	0.3673	1.7406	2.2986	0.0266
175	2.3937	0.8442	0.0494	0.0279	0.9331	2.1556	0.3665	1.7358	2.2980	0.0259
180	2.3278	0.8442	0.	0.	0.9341	2.1630	0.3662	1.7313	2.2975	0.0256

SARMA = 0.4000

ALPHA = 11.000

K = 0.300

BC = 1.8960

XD = 1.5094

BD = 2.084135

W2 = -0.3383E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8841	1.4220	0.4550	0.8841	1.4220	0.4946			
5	0.9908	0.8819	1.3937	0.4588	0.8863	1.4495	0.4900	3.1261	3.3250	28.4596
10	1.0067	0.8798	1.3646	0.4617	0.8886	1.4762	0.4849	2.7658	2.8635	9.6177
15	1.0389	0.8777	1.3346	0.4638	0.8909	1.5022	0.4792	2.5138	2.6443	4.9914
20	1.0840	0.8756	1.3039	0.4650	0.8932	1.5273	0.4729	2.3523	2.5119	3.0840
25	1.1398	0.8736	1.2724	0.4652	0.8955	1.5516	0.4662	2.2361	2.4219	2.0948
30	1.2047	0.8716	1.2401	0.4644	0.8978	1.5751	0.4590	2.1470	2.3570	1.5097
35	1.2773	0.8696	1.2071	0.4626	0.9002	1.5978	0.4515	2.0759	2.3080	1.1329
40	1.3560	0.8677	1.1732	0.4598	0.9025	1.6197	0.4436	2.0173	2.2701	0.8754
45	1.4398	0.8659	1.1387	0.4559	0.9049	1.6409	0.4355	1.9681	2.2399	0.6915
50	1.5275	0.8641	1.1034	0.4509	0.9072	1.6613	0.4272	1.9259	2.2157	0.5555
55	1.6178	0.8623	1.0673	0.4449	0.9096	1.6810	0.4187	1.8893	2.1958	0.4526
60	1.7096	0.8606	1.0306	0.4378	0.9120	1.6999	0.4102	1.8573	2.1795	0.3728
65	1.8018	0.8590	0.9932	0.4296	0.9144	1.7181	0.4015	1.8290	2.1658	0.3092
70	1.8933	0.8574	0.9551	0.4203	0.9167	1.7356	0.3929	1.8037	2.1544	0.2596
75	1.9831	0.8559	0.9164	0.4099	0.9191	1.7523	0.3843	1.7811	2.1447	0.2190
80	2.0701	0.8545	0.8771	0.3985	0.9214	1.7684	0.3759	1.7607	2.1365	0.1857
85	2.1533	0.8531	0.8371	0.3860	0.9237	1.7839	0.3675	1.7423	2.1295	0.1583
90	2.2310	0.8518	0.7966	0.3725	0.9260	1.7986	0.3590	1.7255	2.1236	0.1356
95	2.3039	0.8505	0.7555	0.3580	0.9283	1.8128	0.3511	1.7102	2.1184	0.1166
100	2.3704	0.8493	0.7139	0.3425	0.9306	1.8263	0.3434	1.6961	2.1140	0.1007
105	2.4297	0.8482	0.6718	0.3260	0.9328	1.8393	0.3361	1.6833	2.1102	0.0873
110	2.4811	0.8471	0.6292	0.3087	0.9350	1.8516	0.3290	1.6715	2.1069	0.0759
115	2.5240	0.8461	0.5862	0.2905	0.9372	1.8635	0.3224	1.6606	2.1041	0.0663
120	2.5578	0.8452	0.5427	0.2715	0.9394	1.8747	0.3161	1.6505	2.1016	0.0582
125	2.5821	0.8444	0.4989	0.2517	0.9415	1.8855	0.3102	1.6412	2.0994	0.0512
130	2.6065	0.8436	0.4547	0.2312	0.9436	1.8958	0.3048	1.6326	2.0975	0.0454
135	2.6206	0.8429	0.4102	0.2100	0.9456	1.9055	0.2998	1.6246	2.0959	0.0404
140	2.5943	0.8423	0.3654	0.1882	0.9476	1.9148	0.2953	1.6172	2.0945	0.0362
145	2.5776	0.8417	0.3203	0.1659	0.9496	1.9237	0.2913	1.6103	2.0932	0.0327
150	2.5505	0.8412	0.2750	0.1431	0.9515	1.9321	0.2878	1.6038	2.0921	0.0298
155	2.5131	0.8408	0.2294	0.1199	0.9534	1.9401	0.2848	1.5979	2.0912	0.0275
160	2.4657	0.8405	0.1837	0.0963	0.9552	1.9477	0.2823	1.5923	2.0903	0.0256
165	2.4087	0.8402	0.1379	0.0725	0.9570	1.9550	0.2804	1.5871	2.0896	0.0242
170	2.3426	0.8400	0.0920	0.0485	0.9587	1.9619	0.2790	1.5822	2.0889	0.0233
175	2.2681	0.8399	0.0460	0.0243	0.9604	1.9684	0.2782	1.5777	2.0883	0.0227
180	2.1866	0.8399	0.	0.	0.9621	1.9746	0.2779	1.5734	2.0888	0.0225

GAMMA = 0.4000

ALPHA = 11.000

K = 0.400

DC = 1.9891

KO = 1.3908

BO = 1.944898

WZ = -0.3187E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8882	1.3500	0.4048	0.8882	1.3500	0.4364			
5	0.9916	0.8856	1.3234	0.4088	0.8909	1.3758	0.4317	3.0451	3.1000	24.6484
10	1.0087	0.8830	1.2961	0.4120	0.8937	1.4007	0.4264	2.5804	2.6714	8.3288
15	1.0424	0.8804	1.2680	0.4144	0.8965	1.4249	0.4206	2.3465	2.4680	4.3217
20	1.0893	0.8779	1.2390	0.4160	0.8993	1.4483	0.4142	2.1966	2.3452	2.6699
25	1.1472	0.8755	1.2094	0.4167	0.9022	1.4709	0.4075	2.0887	2.2618	1.8135
30	1.2144	0.8731	1.1789	0.4165	0.9051	1.4928	0.4003	2.0061	2.2016	1.3072
35	1.2892	0.8707	1.1477	0.4153	0.9080	1.5139	0.3927	1.9401	2.1562	0.9814
40	1.3705	0.8685	1.1158	0.4132	0.9109	1.5342	0.3849	1.8857	2.1210	0.7588
45	1.4567	0.8663	1.0831	0.4101	0.9139	1.5537	0.3768	1.8399	2.0931	0.5999
50	1.5467	0.8641	1.0497	0.4060	0.9169	1.5725	0.3686	1.8006	2.0706	0.4827
55	1.6392	0.8621	1.0156	0.4009	0.9199	1.5906	0.3602	1.7666	2.0521	0.3939
60	1.7329	0.8601	0.9808	0.3948	0.9229	1.6079	0.3517	1.7367	2.0369	0.3251
65	1.8266	0.8581	0.9453	0.3877	0.9260	1.6246	0.3431	1.7102	2.0241	0.2709
70	1.9193	0.8563	0.9092	0.3796	0.9290	1.6405	0.3346	1.6866	2.0134	0.2276
75	2.0096	0.8545	0.8725	0.3704	0.9320	1.6558	0.3262	1.6653	2.0044	0.1926
80	2.0967	0.8528	0.8351	0.3603	0.9350	1.6704	0.3178	1.6461	1.9967	0.1640
85	2.1793	0.8512	0.7972	0.3492	0.9381	1.6844	0.3096	1.6287	1.9901	0.1404
90	2.2565	0.8496	0.7586	0.3372	0.9411	1.6977	0.3016	1.6128	1.9844	0.1208
95	2.3275	0.8482	0.7196	0.3242	0.9441	1.7105	0.2938	1.5983	1.9795	0.1045
100	2.3912	0.8468	0.6800	0.3103	0.9471	1.7226	0.2863	1.5850	1.9753	0.0907
105	2.4476	0.8455	0.6400	0.2955	0.9501	1.7342	0.2790	1.5727	1.9717	0.0791
110	2.4940	0.8442	0.5995	0.2799	0.9530	1.7452	0.2721	1.5614	1.9685	0.0693
115	2.5317	0.8431	0.5585	0.2634	0.9559	1.7557	0.2656	1.5509	1.9657	0.0610
120	2.5595	0.8420	0.5171	0.2463	0.9588	1.7657	0.2594	1.5412	1.9633	0.0539
125	2.5768	0.8410	0.4754	0.2284	0.9617	1.7752	0.2537	1.5321	1.9611	0.0479
130	2.5834	0.8401	0.4333	0.2098	0.9646	1.7842	0.2483	1.5238	1.9593	0.0428
135	2.5790	0.8393	0.3909	0.1906	0.9674	1.7928	0.2435	1.5159	1.9576	0.0384
140	2.5635	0.8386	0.3482	0.1709	0.9701	1.8009	0.2391	1.5086	1.9562	0.0348
145	2.5367	0.8380	0.3052	0.1507	0.9729	1.8086	0.2351	1.5018	1.9549	0.0317
150	2.4988	0.8374	0.2621	0.1300	0.9755	1.8159	0.2317	1.4954	1.9538	0.0292
155	2.4499	0.8368	0.2187	0.1089	0.9782	1.8228	0.2288	1.4895	1.9528	0.0271
160	2.3900	0.8365	0.1751	0.0875	0.9808	1.8294	0.2263	1.4839	1.9519	0.0255
165	2.3198	0.8362	0.1315	0.0659	0.9834	1.8356	0.2244	1.4786	1.9512	0.0243
170	2.2476	0.8360	0.0877	0.0440	0.9859	1.8415	0.2231	1.4737	1.9505	0.0234
175	2.1525	0.8359	0.0439	0.0220	0.9883	1.8470	0.2223	1.4691	1.9499	0.0229
180	2.0565	0.8358	0.	0.	0.9907	1.8523	0.2220	1.4647	1.9493	0.0227

GAMMA = 0.4000

ALPHA = 11.000

K = 0.500

DC = 2.0620

XR = 1.2263

BR = 1.838093

TR = 70.61

CR = 13.7988

QR = 0.9850E 08

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8916	1.2987	0.3711	0.8916	1.2987	0.3925			
5	0.9922	0.8885	1.2734	0.3752	0.8948	1.3233	0.3877	2.8846	2.9364	22.0494
10	1.0152	0.8855	1.2473	0.3786	0.8980	1.3470	0.3824	2.4458	2.5318	7.4509
15	1.0451	0.8825	1.2204	0.3812	0.9013	1.3700	0.3765	2.2248	2.3399	3.8665
20	1.0935	0.8796	1.1928	0.3830	0.9046	1.3922	0.3702	2.0835	2.2241	2.3894
25	1.1531	0.8768	1.1644	0.3840	0.9080	1.4137	0.3634	1.9817	2.1455	1.6239
30	1.2222	0.8740	1.1352	0.3841	0.9114	1.4343	0.3562	1.9037	2.0887	1.1717
35	1.2993	0.8714	1.1053	0.3834	0.9149	1.4542	0.3488	1.8412	2.0459	0.8808
40	1.3828	0.8688	1.0747	0.3817	0.9185	1.4734	0.3410	1.7898	2.0126	0.6823
45	1.4713	0.8663	1.0433	0.3791	0.9220	1.4918	0.3330	1.7464	1.9862	0.5408
50	1.5635	0.8638	1.0113	0.3756	0.9257	1.5095	0.3248	1.7092	1.9648	0.4364
55	1.6581	0.8615	0.9785	0.3711	0.9293	1.5265	0.3166	1.6768	1.9472	0.3573
60	1.7537	0.8592	0.9451	0.3656	0.9330	1.5427	0.3082	1.6483	1.9327	0.2962
65	1.8494	0.8570	0.9110	0.3592	0.9367	1.5583	0.2999	1.6229	1.9205	0.2481
70	1.9418	0.8549	0.8763	0.3517	0.9404	1.5731	0.2911	1.6003	1.9103	0.2093
75	2.0328	0.8529	0.8439	0.3431	0.9442	1.5873	0.2828	1.5798	1.9015	0.1782
80	2.1200	0.8510	0.8050	0.3341	0.9479	1.6009	0.2746	1.5613	1.8940	0.1528
85	2.2023	0.8492	0.7685	0.3241	0.9517	1.6138	0.2665	1.5444	1.8876	0.1318
90	2.2786	0.8474	0.7314	0.3130	0.9555	1.6262	0.2587	1.5290	1.8821	0.1144
95	2.3480	0.8458	0.6938	0.3010	0.9593	1.6379	0.2510	1.5148	1.8773	0.0998
100	2.4096	0.8442	0.6557	0.2882	0.9631	1.6490	0.2437	1.5017	1.8731	0.0875
105	2.4625	0.8428	0.6171	0.2745	0.9669	1.6596	0.2366	1.4896	1.8694	0.0772
110	2.5060	0.8414	0.5781	0.2601	0.9707	1.6697	0.2299	1.4783	1.8662	0.0684
115	2.5395	0.8401	0.5386	0.2449	0.9745	1.6792	0.2235	1.4679	1.8633	0.0610
120	2.5624	0.8389	0.5087	0.2289	0.9783	1.6883	0.2175	1.4581	1.8608	0.0547
125	2.5741	0.8378	0.4585	0.2123	0.9821	1.6969	0.2118	1.4490	1.8586	0.0493
130	2.5744	0.8368	0.4179	0.1951	0.9858	1.7050	0.2067	1.4404	1.8567	0.0447
135	2.5631	0.8359	0.3770	0.1773	0.9896	1.7126	0.2019	1.4324	1.8549	0.0408
140	2.5399	0.8351	0.3359	0.1590	0.9933	1.7199	0.1976	1.4248	1.8534	0.0375
145	2.5048	0.8344	0.2944	0.1402	0.9970	1.7267	0.1938	1.4177	1.8520	0.0348
150	2.4580	0.8338	0.2528	0.1209	1.0007	1.7332	0.1905	1.4110	1.8508	0.0325
155	2.3996	0.8332	0.2109	0.1013	1.0043	1.7393	0.1877	1.4047	1.8497	0.0307
160	2.3300	0.8328	0.1689	0.0814	1.0079	1.7451	0.1853	1.3987	1.8487	0.0292
165	2.2498	0.8325	0.1268	0.0613	1.0115	1.7505	0.1835	1.3930	1.8478	0.0281
170	2.1596	0.8322	0.0846	0.0410	1.0151	1.7556	0.1822	1.3877	1.8470	0.0273
175	2.0632	0.8321	0.0423	0.0205	1.0186	1.7604	0.1814	1.3825	1.8462	0.0268
180	1.9525	0.8320	0.	0.	1.0221	1.7650	0.1812	1.3777	1.8456	0.0267

GAMMA = 0.4000

ALPHA = 11.000

K = 0.600

DC = 2.122C XR = 1.1803 BR = 1.744821 TR = 106.96 CR = 4.4164 QR = 0.5309E 04										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8944	1.2598	0.3469	0.8944	1.2598	0.3469			
5	0.9921	0.8969	1.2354	0.3511	0.8980	1.2834	0.3421	2.7600	2.8096	20.1289
10	1.0096	0.8875	1.2102	0.3545	0.9017	1.3063	0.3367	2.3414	2.4236	6.8008
15	1.0439	0.8842	1.1843	0.3572	0.9055	1.3284	0.3307	2.1307	2.2406	3.5288
20	1.0917	0.8809	1.1576	0.3592	0.9093	1.3498	0.3242	1.9958	2.1302	2.1808
25	1.1567	0.8777	1.1301	0.3603	0.9132	1.3703	0.3172	1.8986	2.0553	1.4826
30	1.2190	0.8747	1.1019	0.3607	0.9172	1.3902	0.3097	1.8241	2.0010	1.0705
35	1.2951	0.8717	1.0730	0.3601	0.9212	1.4092	0.3019	1.7644	1.9601	0.8056
40	1.3772	0.8688	1.0433	0.3587	0.9254	1.4276	0.2938	1.7151	1.9282	0.6249
45	1.4638	0.8660	1.0130	0.3565	0.9295	1.4452	0.2853	1.6734	1.9029	0.4961
50	1.5535	0.8633	0.9819	0.3533	0.9338	1.4620	0.2766	1.6376	1.8823	0.4012
55	1.6447	0.8607	0.9502	0.3492	0.9381	1.4782	0.2677	1.6063	1.8653	0.3293
60	1.7360	0.8582	0.9178	0.3442	0.9425	1.4936	0.2587	1.5787	1.8512	0.2736
65	1.8260	0.8558	0.8848	0.3383	0.9469	1.5084	0.2496	1.5541	1.8394	0.2298
70	1.9132	0.8535	0.8511	0.3314	0.9514	1.5225	0.2404	1.5320	1.8293	0.1948
75	1.9963	0.8513	0.8168	0.3237	0.9559	1.5360	0.2311	1.5120	1.8207	0.1664
80	2.0739	0.8492	0.7819	0.3150	0.9605	1.5488	0.2219	1.4938	1.8133	0.1432
85	2.1449	0.8471	0.7465	0.3055	0.9651	1.5610	0.2128	1.4771	1.8068	0.1240
90	2.2079	0.8452	0.7105	0.2951	0.9698	1.5726	0.2037	1.4617	1.8012	0.1080
95	2.2618	0.8434	0.6740	0.2839	0.9745	1.5836	0.1947	1.4474	1.7963	0.0946
100	2.3054	0.8417	0.6370	0.2718	0.9792	1.5941	0.1859	1.4342	1.7920	0.0832
105	2.3378	0.8401	0.5995	0.2590	0.9840	1.6040	0.1773	1.4219	1.7882	0.0736
110	2.3579	0.8386	0.5616	0.2454	0.9888	1.6134	0.1688	1.4104	1.7848	0.0654
115	2.3714	0.8372	0.5233	0.2311	0.9937	1.6222	0.2115	1.3995	1.7818	0.0848
120	2.3789	0.8359	0.4846	0.2160	0.9986	1.6306	0.1997	1.3893	1.7791	0.0732
125	2.3712	0.8347	0.4455	0.2004	1.0035	1.6386	0.1913	1.3797	1.7767	0.0652
130	2.3701	0.8336	0.4061	0.1842	1.0085	1.6461	0.1844	1.3706	1.7745	0.0592
135	2.3759	0.8326	0.3663	0.1674	1.0135	1.6532	0.1786	1.3619	1.7725	0.0544
140	2.3649	0.8317	0.3263	0.1501	1.0185	1.6598	0.1735	1.3536	1.7707	0.0505
145	2.3556	0.8310	0.2861	0.1323	1.0235	1.6661	0.1692	1.3457	1.7690	0.0473
150	2.3397	0.8303	0.2456	0.1142	1.0286	1.6720	0.1655	1.3381	1.7675	0.0447
155	2.4731	0.8297	0.2050	0.0957	1.0337	1.6776	0.1624	1.3309	1.7661	0.0427
160	2.3959	0.8293	0.1642	0.0769	1.0389	1.6829	0.1598	1.3239	1.7648	0.0411
165	2.3085	0.8289	0.1232	0.0579	1.0441	1.6878	0.1579	1.3171	1.7636	0.0398
170	2.2117	0.8286	0.0822	0.0387	1.0494	1.6924	0.1565	1.3105	1.7625	0.0390
175	2.1062	0.8285	0.0411	0.0194	1.0547	1.6968	0.1556	1.3041	1.7615	0.0385
180	1.9932	0.8284	0.	0.	1.0600	1.7009	0.1554	1.2979	1.7605	0.0383

GAMMA = 0.4000

ALPHA = 11.000

K = 0.800

DC = 2.2172 XR = 1.1507 BR = 1.612454 TR = 149.26 CR = 2.6050 QR = 0.4019E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8990	1.2038	0.3148	0.8990	1.2038	0.3148			
5	0.9939	0.8947	1.1806	0.3188	0.9034	1.2263	0.3101	2.5750	2.6211	17.4365
10	1.0145	0.8906	1.1567	0.3222	0.9079	1.2480	0.3050	2.1860	2.2627	5.8921
15	1.0530	0.8865	1.1320	0.3249	0.9126	1.2689	0.2993	1.9907	2.0932	3.0592
20	1.1062	0.8826	1.1066	0.3269	0.9174	1.2891	0.2931	1.8654	1.9906	1.8935
25	1.1719	0.8788	1.0805	0.3281	0.9223	1.3086	0.2865	1.7749	1.9209	1.2906
30	1.2479	0.8752	1.0536	0.3286	0.9274	1.3273	0.2795	1.7053	1.8703	0.9352
35	1.3325	0.8716	1.0260	0.3283	0.9325	1.3454	0.2722	1.6494	1.8320	0.7073
40	1.4239	0.8682	0.9978	0.3272	0.9379	1.3626	0.2646	1.6029	1.8019	0.5521
45	1.5266	0.8649	0.9688	0.3253	0.9433	1.3792	0.2567	1.5635	1.7779	0.4417
50	1.6258	0.8618	0.9392	0.3225	0.9489	1.3951	0.2487	1.5293	1.7582	0.3604
55	1.7231	0.8587	0.9089	0.3189	0.9547	1.4104	0.2405	1.4992	1.7418	0.2991
60	1.8260	0.8558	0.8779	0.3144	0.9606	1.4249	0.2323	1.4725	1.7280	0.2517
65	1.9280	0.8530	0.8464	0.3091	0.9666	1.4388	0.2240	1.4484	1.7162	0.2145
70	2.0279	0.8503	0.8142	0.3030	0.9728	1.4521	0.2158	1.4264	1.7061	0.1849
75	2.1244	0.8478	0.7814	0.2959	0.9792	1.4648	0.2076	1.4063	1.6972	0.1611
80	2.2163	0.8453	0.7481	0.2881	0.9858	1.4768	0.1995	1.3877	1.6894	0.1418
85	2.3026	0.8430	0.7142	0.2795	0.9926	1.4883	0.1916	1.3703	1.6825	0.1261
90	2.3825	0.8408	0.6798	0.2700	0.9995	1.4993	0.1839	1.3540	1.6763	0.1131
95	2.4554	0.8388	0.6449	0.2598	1.0068	1.5098	0.1765	1.3385	1.6707	0.1026
100	2.5208	0.8368	0.6095	0.2488	1.0143	1.5197	0.1695	1.3238	1.6655	0.0940
105	2.5788	0.8350	0.5737	0.2370	1.0220	1.5292	0.1629	1.3096	1.6608	0.0871
110	2.6300	0.8333	0.5374	0.2246	1.0302	1.5383	0.1569	1.2959	1.6564	0.0818
115	2.6760	0.8317	0.5008	0.2115	1.0388	1.5471	0.1515	1.2824	1.6522	0.0779
120	2.7199	0.8302	0.4637	0.1978	1.0479	1.5554	0.1471	1.2690	1.6481	0.0756
125	2.7676	0.8288	0.4263	0.1835	1.0576	1.5636	0.1440	1.2555	1.6441	0.0750
130	2.8315	0.8276	0.3886	0.1686	1.0682	1.5716	0.1428	1.2416	1.6401	0.0767
135	2.9388	0.8265	0.3506	0.1533	1.0801	1.5795	0.1452	1.2269	1.6359	0.0822
140	3.1664	0.8255	0.3123	0.1374	1.0942	1.5877	0.1554	1.2106	1.6312	0.0956
145	3.8601	0.8246	0.2738	0.1212	1.1125	1.5970	0.1923	1.1902	1.6252	0.1358
150	0.9453	0.8238	0.2351	0.1046						
155	0.8322	0.8232	0.1962	0.0876						
160	0.7014	0.8226	0.1571	0.0704						
165	0.5529	0.8222	0.1179	0.0530						
170	0.3865	0.8219	0.0787	0.0354						
175	0.2021	0.8218	0.0394	0.0177						
180	0.	0.8217	0.	0.						

GAMMA = 0.4000

ALPHA = 11.000

K = 1.000

DC = 2.2915 XR = 1.1362 BR = 1.524584 TR = 110.80 CR = 1.9338 QR = 0.1493E 03										
THETA	SX	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9025	1.1650	0.2950	0.9025	1.1650	0.2950			
5	0.9958	0.8975	1.1425	0.2987	0.9077	1.1867	0.2907	2.4406	2.4843	15.5999
10	1.0198	0.8927	1.1194	0.3018	0.9130	1.2077	0.2860	2.0735	2.1460	5.2739
15	1.0634	0.8880	1.0955	0.3043	0.9186	1.2280	0.2808	1.8893	1.9862	2.7419
20	1.1233	0.8835	1.0709	0.3061	0.9243	1.2476	0.2752	1.7704	1.8890	1.7015
25	1.1972	0.8792	1.0456	0.3073	0.9302	1.2665	0.2692	1.6846	1.8229	1.1644
30	1.2830	0.8751	1.0196	0.3077	0.9364	1.2848	0.2630	1.6182	1.7746	0.8484
35	1.3787	0.8710	0.9929	0.3075	0.9428	1.3023	0.2566	1.5646	1.7379	0.6462
40	1.4828	0.8672	0.9655	0.3064	0.9494	1.3191	0.2499	1.5198	1.7088	0.5090
45	1.5936	0.8635	0.9375	0.3046	0.9562	1.3354	0.2432	1.4814	1.6853	0.4117
50	1.7099	0.8599	0.9088	0.3020	0.9634	1.3509	0.2365	1.4478	1.6658	0.3406
55	1.8305	0.8565	0.8795	0.2987	0.9708	1.3659	0.2298	1.4179	1.6493	0.2872
60	1.9546	0.8532	0.8496	0.2945	0.9786	1.3803	0.2233	1.3909	1.6352	0.2466
65	2.0816	0.8501	0.8190	0.2895	0.9868	1.3942	0.2171	1.3662	1.6228	0.2154
70	2.2117	0.8471	0.7879	0.2837	0.9954	1.4075	0.2114	1.3432	1.6119	0.1913
75	2.3457	0.8443	0.7562	0.2772	1.0045	1.4204	0.2064	1.3216	1.6020	0.1729
80	2.4861	0.8416	0.7239	0.2698	1.0142	1.4329	0.2023	1.3009	1.5930	0.1594
85	2.6378	0.8390	0.6912	0.2617	1.0247	1.4451	0.1998	1.2809	1.5845	0.1503
90	2.8114	0.8366	0.6579	0.2529	1.0361	1.4571	0.1996	1.2610	1.5763	0.1460
95	3.0296	0.8343	0.6241	0.2433	1.0490	1.4691	0.2037	1.2409	1.5682	0.1477
100	3.3526	0.8321	0.5898	0.2330	1.0641	1.4814	0.2167	1.2194	1.5597	0.1597
105	4.0024	0.8301	0.5551	0.2220	1.0831	1.4951	0.2556	1.1948	1.5499	0.1986
110	1.3351	0.8282	0.5201	0.2103						
115	1.3440	0.8265	0.4846	0.1981						
120	1.3396	0.8248	0.4487	0.1852						
125	1.3211	0.8234	0.4125	0.1718						
130	1.2877	0.8220	0.3760	0.1579						
135	1.2385	0.8208	0.3392	0.1435						
140	1.1728	0.8197	0.3022	0.1287						
145	1.0900	0.8187	0.2649	0.1135						
150	0.9896	0.8179	0.2275	0.0979						
155	0.8711	0.8172	0.1898	0.0820						
160	0.7342	0.8166	0.1520	0.0659						
165	0.5787	0.8161	0.1141	0.0496						
170	0.4045	0.8158	0.0761	0.0332						
175	0.2116	0.8156	0.0381	0.0166						
180	0.	0.8156	0.	0.						

GAMMA = 0.4000

ALPHA = 11.000

K = 1.200

DC = 2.3525 XR = 1.1272 BR = 1.462079 TR = 89.17 CR = 1.5563 QR = 0.8414E 02										
THETA	SX	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9053	1.1362	0.2822	0.9053	1.1362	0.2822			
5	0.9979	0.8996	1.1142	0.2854	0.9112	1.1575	0.2785	2.3365	2.3782	14.2452
10	1.0258	0.8947	1.0915	0.2881	0.9173	1.1782	0.2744	1.9829	2.0553	4.8197
15	1.0753	0.8890	1.0681	0.2903	0.9238	1.1982	0.2699	1.8102	1.9029	2.5109
20	1.1433	0.8840	1.0441	0.2919	0.9304	1.2175	0.2652	1.6964	1.8099	1.5638
25	1.2272	0.8791	1.0193	0.2928	0.9374	1.2362	0.2603	1.6138	1.7463	1.0759
30	1.3251	0.8745	0.9939	0.2931	0.9447	1.2543	0.2552	1.5497	1.6996	0.7897
35	1.4353	0.8701	0.9679	0.2927	0.9524	1.2717	0.2502	1.4975	1.6637	0.6072
40	1.5567	0.8658	0.9411	0.2917	0.9604	1.2886	0.2453	1.4534	1.6350	0.4841
45	1.6886	0.8617	0.9138	0.2898	0.9690	1.3050	0.2406	1.4152	1.6114	0.3977
50	1.8309	0.8578	0.8858	0.2873	0.9780	1.3208	0.2365	1.3813	1.5915	0.3355
55	1.9848	0.8541	0.8572	0.2840	0.9876	1.3362	0.2332	1.3506	1.5744	0.2902
60	2.1531	0.8505	0.8279	0.2800	0.9980	1.3519	0.2311	1.3223	1.5592	0.2576
65	2.3419	0.8471	0.7981	0.2752	1.0094	1.3661	0.2311	1.2955	1.5454	0.2352
70	2.5647	0.8439	0.7678	0.2697	1.0219	1.3809	0.2346	1.2695	1.5324	0.2224
75	2.8521	0.8408	0.7369	0.2634	1.0363	1.3959	0.2446	1.2435	1.5198	0.2206
80	3.2921	0.8379	0.7054	0.2564	1.0536	1.4118	0.2696	1.2161	1.5068	0.2374
85	4.2888	0.8351	0.6734	0.2486	1.0769	1.4302	0.3487	1.1840	1.4913	0.3108
90	1.2359	0.8325	0.6410	0.2402						
95	1.2893	0.8300	0.6080	0.2310						
100	1.3333	0.8277	0.5747	0.2212						
105	1.3668	0.8255	0.5408	0.2108						
110	1.3886	0.8235	0.5066	0.1997						
115	1.3977	0.8216	0.4721	0.1880						
120	1.3930	0.8198	0.4371	0.1758						
125	1.3737	0.8182	0.4019	0.1631						
130	1.3388	0.8168	0.3663	0.1499						
135	1.2875	0.8155	0.3305	0.1362						
140	1.2192	0.8143	0.2944	0.1221						
145	1.1330	0.8133	0.2581	0.1077						
150	1.0286	0.8124	0.2216	0.0929						
155	0.9054	0.8116	0.1849	0.0779						
160	0.7631	0.8110	0.1481	0.0626						
165	0.6015	0.8105	0.1112	0.0471						
170	0.4204	0.8102	0.0742	0.0315						
175	0.2199	0.8100	0.0371	0.0158						
180	0.	0.8099	0.	0.						

GAMMA = 0.4000 ALPHA = 11.000 K = 1.400

DC = 2.4044 XR = 1.1211 BR = 1.415306 TR = 74.98 CR = 1.3086 QR = 0.5694E 02

THETA	SY	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9076	1.1139	0.2738	0.9076	1.1139	0.2738			
5	1.0001	0.9013	1.0921	0.2765	0.9142	1.1350	0.2708	2.2519	2.2922	13.1937
10	1.0324	0.8953	1.0697	0.2787	0.9211	1.1556	0.2676	1.9153	1.9821	4.4688
15	1.0888	0.8895	1.0467	0.2804	0.9284	1.1755	0.2641	1.7460	1.8353	2.3346
20	1.1663	0.8840	1.0230	0.2816	0.9360	1.1948	0.2606	1.6361	1.7454	1.4608
25	1.2623	0.8787	0.9986	0.2823	0.9441	1.2135	0.2571	1.5559	1.6836	1.0118
30	1.3753	0.8737	0.9736	0.2824	0.9527	1.2318	0.2539	1.4932	1.6379	0.7495
35	1.5046	0.8689	0.9480	0.2818	0.9618	1.2495	0.2511	1.4416	1.6023	0.5834
40	1.6507	0.8643	0.9217	0.2806	0.9715	1.2669	0.2491	1.3976	1.5735	0.4727
45	1.8157	0.8599	0.8949	0.2787	0.9821	1.2839	0.2484	1.3588	1.5493	0.3969
50	2.0046	0.8556	0.8674	0.2761	0.9936	1.3007	0.2498	1.3237	1.5284	0.3450
55	2.2287	0.8516	0.8393	0.2729	1.0064	1.3175	0.2549	1.2909	1.5096	0.3116
60	2.5141	0.8478	0.8107	0.2689	1.0211	1.3346	0.2666	1.2592	1.4921	0.2955
65	2.9320	0.8441	0.7814	0.2642	1.0386	1.3527	0.2934	1.2270	1.4746	0.3019
70	3.7747	0.8407	0.7516	0.2588	1.0618	1.3734	0.3688	1.1912	1.4553	0.3625
75	1.0685	0.8374	0.7213	0.2527						
80	1.1455	0.8343	0.6905	0.2459						
85	1.2164	0.8313	0.6592	0.2385						
90	1.2800	0.8285	0.6274	0.2303						
95	1.3351	0.8259	0.5951	0.2215						
100	1.3804	0.8234	0.5624	0.2121						
105	1.4148	0.8211	0.5293	0.2020						
110	1.4372	0.8190	0.4958	0.1914						
115	1.4464	0.8170	0.4620	0.1802						
120	1.4414	0.8151	0.4278	0.1684						
125	1.4212	0.8135	0.3932	0.1562						
130	1.3850	0.8119	0.3584	0.1435						
135	1.3318	0.8105	0.3234	0.1304						
140	1.2610	0.8093	0.2880	0.1169						
145	1.1718	0.8082	0.2525	0.1031						
150	1.0637	0.8073	0.2168	0.0890						
155	0.9363	0.8065	0.1809	0.0745						
160	0.7891	0.8058	0.1449	0.0599						
165	0.6220	0.8053	0.1088	0.0451						
170	0.4347	0.8049	0.0726	0.0301						
175	0.2274	0.8047	0.0363	0.0151						
180	0.	0.8047	0.	0.						

GAMMA = 0.4000 ALPHA = 11.000 K = 1.600

DC = 2.4497 XR = 1.1165 BR = 1.378963 TR = 64.85 CR = 1.1318 QR = 0.4256E 02

THETA	SY	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9095	1.0961	0.2685	0.9095	1.0961	0.2685			
5	1.0024	0.9026	1.0744	0.2704	0.9168	1.1172	0.2663	2.1816	2.2205	12.3467
10	1.0397	0.8960	1.0521	0.2720	0.9245	1.1377	0.2641	1.8562	1.9209	4.1883
15	1.1040	0.8898	1.0293	0.2733	0.9326	1.1577	0.2619	1.6922	1.7787	2.1956
20	1.1924	0.8838	1.0058	0.2741	0.9413	1.1772	0.2600	1.5853	1.6913	1.3816
25	1.3028	0.8781	0.9817	0.2744	0.9505	1.1963	0.2585	1.5068	1.6307	0.9648
30	1.4349	0.8727	0.9570	0.2742	0.9605	1.2149	0.2579	1.4448	1.5854	0.7228
35	1.5903	0.8675	0.9317	0.2734	0.9712	1.2333	0.2587	1.3933	1.5497	0.5715
40	1.7735	0.8626	0.9058	0.2720	0.9831	1.2516	0.2619	1.3486	1.5202	0.4735
45	1.9954	0.8579	0.8793	0.2700	0.9963	1.2700	0.2691	1.3084	1.4998	0.4108
50	2.2818	0.8534	0.8522	0.2673	1.0115	1.2888	0.2839	1.2706	1.4718	0.3761
55	2.7038	0.8491	0.8246	0.2640	1.0298	1.3088	0.3159	1.2331	1.4496	0.3725
60	3.5593	0.8451	0.7964	0.2601	1.0544	1.3320	0.4048	1.1923	1.4256	0.4356
65	0.9316	0.8412	0.7676	0.2554						
70	1.0195	0.8376	0.7383	0.2501						
75	1.1036	0.8341	0.7085	0.2442						
80	1.1827	0.8308	0.6781	0.2375						
85	1.2556	0.8277	0.6473	0.2302						
90	1.3209	0.8247	0.6161	0.2223						
95	1.3774	0.8220	0.5844	0.2138						
100	1.4238	0.8194	0.5522	0.2046						
105	1.4690	0.8170	0.5197	0.1949						
110	1.4818	0.8147	0.4868	0.1846						
115	1.4911	0.8126	0.4535	0.1737						
120	1.4857	0.8107	0.4199	0.1624						
125	1.4648	0.8089	0.3860	0.1506						
130	1.4272	0.8073	0.3519	0.1384						
135	1.3723	0.8059	0.3174	0.1257						
140	1.2992	0.8046	0.2827	0.1127						
145	1.2072	0.8035	0.2479	0.0994						
150	1.0958	0.8025	0.2128	0.0857						
155	0.9644	0.8016	0.1776	0.0718						
160	0.8128	0.8010	0.1422	0.0577						
165	0.6406	0.8004	0.1068	0.0434						
170	0.4477	0.8001	0.0712	0.0290						
175	0.2342	0.7998	0.0356	0.0145						
180	0.	0.7998	0.	0.						

GAMMA = 0.4000

ALPHA = 11.000

K = 1.800

DC = 2.4898 XR = 1.1131 BR = 1.349893 TR = 57.21 CR = 0.9985 QR = 0.3382E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9111	1.0815	0.2652	0.9111	1.0815	0.2652			
5	1.0049	0.9036	1.0598	0.2663	0.9191	1.1026	0.2641	2.1215	2.1593	11.6461
10	1.0477	0.8965	1.0376	0.2673	0.9275	1.1233	0.2631	1.8054	1.8683	3.9583
15	1.1209	0.8898	1.0148	0.2680	0.9366	1.1435	0.2625	1.6461	1.7301	2.0836
20	1.2219	0.8834	0.9915	0.2683	0.9463	1.1634	0.2626	1.5414	1.6446	1.3198
25	1.3496	0.8774	0.9676	0.2683	0.9568	1.1829	0.2639	1.4641	1.5848	0.9306
30	1.5062	0.8716	0.9431	0.2677	0.9683	1.2024	0.2672	1.4024	1.5396	0.7070
35	1.6983	0.8661	0.9181	0.2667	0.9811	1.2218	0.2738	1.3503	1.5032	0.5707
40	1.9417	0.8609	0.8924	0.2651	0.9956	1.2416	0.2864	1.3041	1.4724	0.4883
45	2.2775	0.8559	0.8662	0.2630	1.0127	1.2623	0.3115	1.2609	1.4446	0.4477
50	2.8407	0.8512	0.8394	0.2602	1.0344	1.2853	0.3693	1.2174	1.4173	0.4591
55	4.5931	0.8467	0.8121	0.2568	1.0679	1.3156	0.6060	1.1655	1.3847	0.6627
60	0.8674	0.8424	0.7842	0.2528						
65	0.9602	0.8384	0.7558	0.2482						
70	1.0503	0.8356	0.7269	0.2430						
75	1.1366	0.8309	0.6975	0.2371						
80	1.2177	0.8274	0.6676	0.2305						
85	1.2923	0.8242	0.6372	0.2234						
90	1.3591	0.8211	0.6064	0.2157						
95	1.4168	0.8182	0.5752	0.2073						
100	1.4643	0.8156	0.5435	0.1984						
105	1.5002	0.8130	0.5115	0.1889						
110	1.5233	0.8107	0.4791	0.1789						
115	1.5325	0.8085	0.4463	0.1684						
120	1.5268	0.8065	0.4133	0.1574						
125	1.5050	0.8047	0.3799	0.1459						
130	1.4662	0.8030	0.3462	0.1340						
135	1.4096	0.8015	0.3123	0.1218						
140	1.3344	0.8002	0.2782	0.1091						
145	1.2398	0.7990	0.2439	0.0962						
150	1.1253	0.7980	0.2094	0.0830						
155	0.9904	0.7971	0.1747	0.0695						
160	0.8346	0.7964	0.1399	0.0559						
165	0.6578	0.7959	0.1050	0.0420						
170	0.4597	0.7955	0.0701	0.0281						
175	0.2404	0.7952	0.0350	0.0141						
180	0.	0.7952	0.	0.						

GAMMA = 0.4000

ALPHA = 11.000

K = 2.000

DC = 2.5260 XR = 1.1103 BR = 1.326102 TR = 51.22 CR = 0.8940 QR = 0.2800E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9125	1.0693	0.2636	0.9125	1.0693	0.2636			
5	1.0075	0.9044	1.0475	0.2638	0.9211	1.0908	0.2636	2.0690	2.1059	11.0551
10	1.0565	0.8968	1.0253	0.2640	0.9304	1.1115	0.2640	1.7614	1.8227	3.7660
15	1.1396	0.8897	1.0026	0.2641	0.9403	1.1320	0.2653	1.6057	1.6877	1.9918
20	1.2549	0.8829	0.9793	0.2639	0.9511	1.1524	0.2680	1.5028	1.6035	1.2713
25	1.4037	0.8766	0.9555	0.2635	0.9630	1.1727	0.2731	1.4261	1.5442	0.9068
30	1.5927	0.8704	0.9312	0.2626	0.9763	1.1931	0.2821	1.3642	1.4986	0.7011
35	1.8397	0.8646	0.9063	0.2613	0.9916	1.2141	0.2984	1.3108	1.4611	0.5822
40	2.1931	0.8591	0.8809	0.2595	1.0098	1.2364	0.3305	1.2618	1.4279	0.5242
45	2.8275	0.8539	0.8549	0.2572	1.0336	1.2617	0.4075	1.2128	1.3956	0.5392
50	5.6166	0.8489	0.8284	0.2543	1.0745	1.2985	0.8497	1.1508	1.3545	0.9378
55	0.7960	0.8442	0.8013	0.2508						
60	0.8924	0.8398	0.7738	0.2468						
65	0.9873	0.8356	0.7457	0.2422						
70	1.0796	0.8316	0.7171	0.2369						
75	1.1678	0.8278	0.6880	0.2311						
80	1.2506	0.8242	0.6585	0.2246						
85	1.3268	0.8208	0.6285	0.2176						
90	1.3950	0.8177	0.5981	0.2100						
95	1.4539	0.8147	0.5672	0.2018						
100	1.5022	0.8119	0.5360	0.1931						
105	1.5386	0.8093	0.5043	0.1838						
110	1.5620	0.8069	0.4724	0.1740						
115	1.5712	0.8046	0.4401	0.1637						
120	1.5650	0.8025	0.4074	0.1530						
125	1.5425	0.8007	0.3745	0.1419						
130	1.5025	0.7989	0.3413	0.1303						
135	1.4444	0.7974	0.3079	0.1183						
140	1.3671	0.7960	0.2743	0.1061						
145	1.2701	0.7948	0.2404	0.0935						
150	1.1527	0.7937	0.2064	0.0806						
155	1.0144	0.7928	0.1722	0.0676						
160	0.8548	0.7921	0.1379	0.0543						
165	0.6737	0.7916	0.1035	0.0409						
170	0.4708	0.7912	0.0691	0.0273						
175	0.2462	0.7909	0.0345	0.0137						
180	0.	0.7908	0.	0.						

GAMMA=0.4000 ALPHA=11.000 K= 2.20

DC= 2.5590 XR= 1.10806 BR= 1.30627
TR=46.4005 CR= 0.80984 QR=23.86207

THETA	ST	X1	B1	S1
0	1.0000	0.9137	1.0589	0.2631
5	1.0103	0.9051	1.0370	0.2623
10	1.0658	0.8970	1.0147	0.2617
15	1.1600	0.8894	0.9920	0.2612
20	1.2920	0.8822	0.9688	0.2605
25	1.4666	0.8755	0.9451	0.2596
30	1.6999	0.8691	0.9208	0.2584
35	2.0361	0.8630	0.8961	0.2568
40	2.6347	0.8573	0.8708	0.2548
45	5.0576	0.8519	0.8450	0.2523
50	0.7191	0.8467	0.8187	0.2493
55	0.8179	0.8418	0.7919	0.2457
60	0.9163	0.8372	0.7646	0.2416
65	1.0133	0.8328	0.7367	0.2370
70	1.1074	0.8287	0.7084	0.2317
75	1.1974	0.8248	0.6797	0.2259
80	1.2818	0.8211	0.6504	0.2195
85	1.3595	0.8176	0.6208	0.2126
90	1.4289	0.8143	0.5907	0.2051
95	1.4888	0.8113	0.5602	0.1970
100	1.5378	0.8084	0.5293	0.1885
105	1.5748	0.8057	0.4980	0.1794
110	1.5984	0.8032	0.4664	0.1698
115	1.6075	0.8009	0.4345	0.1597
120	1.6009	0.7988	0.4023	0.1492
125	1.5776	0.7968	0.3698	0.1383
130	1.5365	0.7951	0.3370	0.1270
135	1.4768	0.7935	0.3040	0.1154
140	1.3977	0.7920	0.2707	0.1034
145	1.2984	0.7908	0.2373	0.0911
150	1.1783	0.7897	0.2037	0.0786
155	1.0368	0.7888	0.1700	0.0658
160	0.8737	0.7881	0.1361	0.0529
165	0.6885	0.7875	0.1022	0.0398
170	0.4812	0.7871	0.0682	0.0266
175	0.2516	0.7868	0.0341	0.0133
180	0.	0.7867	0.	0.

GAMMA=0.4000 ALPHA=11.000 K= 2.60

DC= 2.6174 XR= 1.10462 BR= 1.27506
TR=39.0846 CR= 0.68215 QR=18.39855

THETA	ST	X1	B1	S1
0	1.0000	0.9157	1.0423	0.2647
5	1.0164	0.9060	1.0200	0.2617
10	1.0872	0.8970	0.9975	0.2594
15	1.2067	0.8886	0.9746	0.2575
20	1.3804	0.8807	0.9513	0.2557
25	1.6293	0.8734	0.9277	0.2540
30	2.0235	0.8664	0.9036	0.2520
35	2.8989	0.8599	0.8790	0.2499
40	0.5552	0.8537	0.8539	0.2474
45	0.6547	0.8479	0.8284	0.2445
50	0.7565	0.8424	0.8024	0.2412
55	0.8591	0.8372	0.7760	0.2374
60	0.9614	0.8323	0.7490	0.2332
65	1.0620	0.8276	0.7216	0.2284
70	1.1595	0.8232	0.6938	0.2232
75	1.2526	0.8191	0.6655	0.2174
80	1.3399	0.8152	0.6368	0.2111
85	1.4201	0.8115	0.6076	0.2043
90	1.4916	0.8080	0.5781	0.1969
95	1.5533	0.8048	0.5482	0.1891
100	1.6036	0.8018	0.5179	0.1808
105	1.6414	0.7990	0.4873	0.1720
110	1.6553	0.7964	0.4563	0.1627
115	1.6741	0.7939	0.4250	0.1530
120	1.6667	0.7917	0.3935	0.1429
125	1.6419	0.7897	0.3616	0.1324
130	1.5987	0.7878	0.3296	0.1216
135	1.5362	0.7862	0.2973	0.1104
140	1.4536	0.7847	0.2648	0.0989
145	1.3500	0.7834	0.2321	0.0872
150	1.2249	0.7823	0.1992	0.0752
155	1.0777	0.7813	0.1662	0.0630
160	0.9080	0.7805	0.1331	0.0506
165	0.7155	0.7799	0.0999	0.0381
170	0.5000	0.7795	0.0667	0.0254
175	0.2615	0.7792	0.0333	0.0127
180	0.	0.7791	0.	0.

GAMMA=0.4000 ALPHA=11.000 K= 3.00

DC= 2.6682 KR= 1.10210 BR= 1.25162
TR=33.7872 CR= 0.58970 QR=14.96533

THETA	ST	X1	B1	S1
0	1.0000	0.9173	1.0295	0.2687
5	1.0231	0.9065	1.0067	0.2632
10	1.1113	0.8966	0.9838	0.2590
15	1.2621	0.8875	0.9607	0.2557
20	1.4938	0.8790	0.9373	0.2528
25	1.8750	0.8711	0.9136	0.2501
30	2.7622	0.8637	0.8895	0.2475
35	0.4829	0.8567	0.8651	0.2447
40	0.5828	0.8502	0.8402	0.2418
45	0.6861	0.8440	0.8148	0.2385
50	0.7915	0.8382	0.7891	0.2349
55	0.8976	0.8327	0.7629	0.2309
60	1.0032	0.8275	0.7362	0.2265
65	1.1070	0.8227	0.7092	0.2217
70	1.2075	0.8181	0.6817	0.2164
75	1.3034	0.8137	0.6538	0.2106
80	1.3931	0.8096	0.6255	0.2043
85	1.4754	0.8058	0.5968	0.1976
90	1.5488	0.8022	0.5677	0.1904
95	1.6119	0.7989	0.5382	0.1827
100	1.6634	0.7957	0.5085	0.1746
105	1.7017	0.7928	0.4783	0.1660
110	1.7258	0.7901	0.4479	0.1570
115	1.7343	0.7876	0.4172	0.1476
120	1.7260	0.7853	0.3862	0.1378
125	1.6998	0.7832	0.3549	0.1276
130	1.6546	0.7812	0.3234	0.1171
135	1.5896	0.7795	0.2917	0.1063
140	1.5037	0.7780	0.2598	0.0953
145	1.3963	0.7766	0.2277	0.0839
150	1.2667	0.7755	0.1954	0.0724
155	1.1144	0.7745	0.1631	0.0606
160	0.9388	0.7737	0.1306	0.0487
165	0.7397	0.7730	0.0980	0.0366
170	0.5169	0.7726	0.0654	0.0245
175	0.2703	0.7723	0.0327	0.0123
180	0.	0.7722	0.	0.

GAMMA=0.4000 ALPHA=11.000 K= 4.00

DC= 2.17728 XR= 1.09802 BR= 1.21244
TR=25.2709 CR= 0.44106 QR=10.20822

THETA	ST	X1	B1	S1
0	1.0000	0.9200	1.0075	0.2848
5	1.0429	0.9068	0.9831	0.2718
10	1.1859	0.8949	0.9591	0.2625
15	1.4531	0.8841	0.9353	0.2554
20	2.0134	0.8743	0.9114	0.2497
25	0.3367	0.8652	0.8875	0.2448
30	0.4347	0.8568	0.8633	0.2404
35	0.5384	0.8490	0.8388	0.2363
40	0.6464	0.8417	0.8141	0.2322
45	0.7576	0.8348	0.7890	0.2281
50	0.8706	0.8284	0.7636	0.2238
55	0.9841	0.8224	0.7379	0.2193
60	1.0968	0.8167	0.7118	0.2146
65	1.2071	0.8114	0.6853	0.2093
70	1.3137	0.8064	0.6584	0.2039
75	1.4152	0.8017	0.6313	0.1980
80	1.5099	0.7973	0.6037	0.1918
85	1.5965	0.7931	0.5758	0.1852
90	1.6735	0.7893	0.5476	0.1781
95	1.7394	0.7857	0.5190	0.1707
100	1.7927	0.7823	0.4902	0.1629
105	1.8321	0.7792	0.4610	0.1548
110	1.8562	0.7763	0.4316	0.1462
115	1.8636	0.7736	0.4019	0.1373
120	1.8532	0.7711	0.3720	0.1281
125	1.8236	0.7689	0.3418	0.1186
130	1.7742	0.7668	0.3114	0.1088
135	1.7035	0.7650	0.2808	0.0987
140	1.6107	0.7634	0.2501	0.0884
145	1.4950	0.7619	0.2192	0.0778
150	1.3557	0.7607	0.1881	0.0671
155	1.1923	0.7596	0.1569	0.0562
160	1.0042	0.7588	0.1257	0.0451
165	0.7911	0.7581	0.0943	0.0339
170	0.5527	0.7577	0.0629	0.0227
175	0.2890	0.7574	0.0315	0.0113
180	0.	0.7573	0.	0.

GAMMA=0.4000		ALPHA=11.000		K= 6.00	
DC= 2.9281		XR= 1.09392		BR= 1.17182	
TR=16.8303		CR= 0.29374		QR= 6.25100	
THETA	ST	X1	B1	S1	
0	1.0000	0.9231	0.9839	0.3289	
5	1.0955	0.9052	0.9558	0.2968	
10	1.4225	0.8900	0.9294	0.2760	
15	2.6556	0.8766	0.9038	0.2613	
20	0.3015	0.8646	0.8788	0.2502	
25	0.4065	0.8538	0.8541	0.2413	
30	0.5180	0.8440	0.8294	0.2339	
35	0.6347	0.8349	0.8048	0.2274	
40	0.7553	0.8265	0.7801	0.2215	
45	0.8786	0.8187	0.7552	0.2160	
50	1.0031	0.8115	0.7302	0.2105	
55	1.1276	0.8047	0.7049	0.2051	
60	1.2505	0.7984	0.6794	0.1997	
65	1.3705	0.7925	0.6536	0.1941	
70	1.4859	0.7870	0.6276	0.1883	
75	1.5952	0.7819	0.6012	0.1822	
80	1.6968	0.7770	0.5747	0.1760	
85	1.7893	0.7725	0.5478	0.1694	
90	1.8709	0.7683	0.5207	0.1626	
95	1.9402	0.7644	0.4933	0.1555	
100	1.9957	0.7607	0.4657	0.1481	
105	2.0359	0.7573	0.4378	0.1404	
110	2.0592	0.7542	0.4097	0.1324	
115	2.0644	0.7513	0.3814	0.1242	
120	2.0501	0.7487	0.3529	0.1157	
125	2.0151	0.7463	0.3241	0.1070	
130	1.9582	0.7441	0.2953	0.0980	
135	1.8783	0.7421	0.2662	0.0889	
140	1.7745	0.7403	0.2370	0.0795	
145	1.6458	0.7388	0.2077	0.0699	
150	1.4916	0.7375	0.1782	0.0602	
155	1.3111	0.7364	0.1487	0.0504	
160	1.1037	0.7355	0.1190	0.0405	
165	0.8692	0.7348	0.0893	0.0304	
170	0.6071	0.7342	0.0596	0.0203	
175	0.3174	0.7339	0.0298	0.0102	
180	0.	0.7338	0.	0.	

GAMMA=0.4000		ALPHA=11.000		K= 8.00	
DC= 3.0455		XR= 1.09186		BR= 1.15093	
TR=12.6247		CR= 0.22034		QR= 4.50958	
THETA	ST	X1	B1	S1	
0	1.0000	0.9248	0.9713	0.3795	
5	1.1671	0.9026	0.9395	0.3235	
10	1.9471	0.8845	0.9106	0.2905	
15	0.2427	0.8690	0.8835	0.2685	
20	0.3516	0.8555	0.8574	0.2526	
25	0.4678	0.8435	0.8320	0.2405	
30	0.5899	0.8326	0.8069	0.2307	
35	0.7166	0.8227	0.7821	0.2224	
40	0.8468	0.8136	0.7573	0.2151	
45	0.9792	0.8052	0.7324	0.2085	
50	1.1124	0.7974	0.7076	0.2022	
55	1.2449	0.7902	0.6826	0.1961	
60	1.3754	0.7835	0.6574	0.1902	
65	1.5022	0.7772	0.6321	0.1842	
70	1.6238	0.7714	0.6065	0.1782	
75	1.7386	0.7659	0.5808	0.1720	
80	1.8449	0.7608	0.5548	0.1657	
85	1.9412	0.7561	0.5287	0.1592	
90	2.0258	0.7517	0.5023	0.1525	
95	2.0972	0.7475	0.4757	0.1455	
100	2.1537	0.7437	0.4489	0.1384	
105	2.1938	0.7402	0.4219	0.1310	
110	2.2160	0.7369	0.3947	0.1234	
115	2.2189	0.7339	0.3673	0.1156	
120	2.2012	0.7311	0.3397	0.1076	
125	2.1614	0.7286	0.3120	0.0994	
130	2.0986	0.7263	0.2842	0.0910	
135	2.0114	0.7243	0.2561	0.0824	
140	1.8989	0.7225	0.2280	0.0737	
145	1.7602	0.7209	0.1998	0.0648	
150	1.5944	0.7195	0.1714	0.0558	
155	1.4008	0.7183	0.1430	0.0466	
160	1.1789	0.7174	0.1145	0.0374	
165	0.9281	0.7166	0.0859	0.0281	
170	0.6482	0.7161	0.0573	0.0188	
175	0.3388	0.7158	0.0287	0.0094	
180	0.	0.7157	0.	0.	

GAMMA=0.4000		ALPHA=11.000		K= 10.00	
DC= 3.1416		XR= 1.09062		BR= 1.13819	
TR=10.1029		CR= 0.17633		QR= 3.52800	
THETA	ST	X1	B1	S1	
0	1.0000	0.9259	0.9636	0.4327	
5	1.2643	0.8996	0.9280	0.3489	
10	0.1671	0.8790	0.8970	0.3037	
15	0.2780	0.8619	0.8685	0.2751	
20	0.3970	0.8471	0.8415	0.2551	
25	0.5225	0.8341	0.8154	0.2403	
30	0.6533	0.8225	0.7899	0.2285	
35	0.7882	0.8119	0.7648	0.2188	
40	0.9262	0.8023	0.7400	0.2104	
45	1.0658	0.7935	0.7152	0.2029	
50	1.2059	0.7853	0.6904	0.1960	
55	1.3448	0.7778	0.6656	0.1895	
60	1.4811	0.7708	0.6407	0.1832	
65	1.6132	0.7643	0.6157	0.1769	
70	1.7396	0.7582	0.5905	0.1707	
75	1.8585	0.7525	0.5652	0.1645	
80	1.9683	0.7473	0.5398	0.1581	
85	2.0673	0.7424	0.5141	0.1516	
90	2.1540	0.7378	0.4883	0.1450	
95	2.2266	0.7336	0.4623	0.1382	
100	2.2835	0.7296	0.4361	0.1313	
105	2.3232	0.7260	0.4097	0.1241	
110	2.3441	0.7226	0.3832	0.1168	
115	2.3449	0.7195	0.3566	0.1093	
120	2.3240	0.7167	0.3297	0.1016	
125	2.2802	0.7141	0.3028	0.0938	
130	2.2123	0.7117	0.2757	0.0858	
135	2.1190	0.7096	0.2485	0.0776	
140	1.9994	0.7078	0.2211	0.0694	
145	1.8524	0.7061	0.1937	0.0610	
150	1.6771	0.7047	0.1662	0.0525	
155	1.4730	0.7035	0.1386	0.0439	
160	1.2393	0.7026	0.1110	0.0352	
165	0.9754	0.7018	0.0833	0.0265	
170	0.6811	0.7013	0.0555	0.0177	
175	0.3560	0.7010	0.0278	0.0088	
180	0.	0.7009	0.	0.	

GAMMA=0.4000		ALPHA=11.000		K= 20.00	
DC= 3.4768		XR= 1.08814		BR= 1.11224	
TR= 4.0571		CR= 0.07081		QR= 1.69225	
THETA	ST	X1	B1	S1	
0	1.0000	0.9279	0.9473	0.7038	
5	0.1235	0.8845	0.8951	0.4491	
10	0.2717	0.8552	0.8559	0.3492	
15	0.4229	0.8327	0.8226	0.2958	
20	0.5768	0.8142	0.7926	0.2621	
25	0.7340	0.7984	0.7646	0.2386	
30	0.8939	0.7846	0.7379	0.2211	
35	1.0561	0.7723	0.7122	0.2073	
40	1.2194	0.7613	0.6871	0.1959	
45	1.3826	0.7513	0.6624	0.1861	
50	1.5443	0.7422	0.6380	0.1775	
55	1.7031	0.7338	0.6138	0.1697	
60	1.8573	0.7260	0.5897	0.1624	
65	2.0052	0.7189	0.5657	0.1555	
70	2.1453	0.7123	0.5417	0.1489	
75	2.2756	0.7061	0.5177	0.1424	
80	2.3945	0.7004	0.4937	0.1360	
85	2.5002	0.6951	0.4696	0.1297	
90	2.5910	0.6902	0.4455	0.1233	
95	2.6652	0.6857	0.4213	0.1170	
100	2.7210	0.6815	0.3970	0.1106	
105	2.7570	0.6776	0.3727	0.1041	
110	2.7714	0.6740	0.3483	0.0976	
115	2.7628	0.6707	0.3238	0.0911	
120	2.7296	0.6677	0.2992	0.0844	
125	2.6707	0.6649	0.2745	0.0777	
130	2.5845	0.6625	0.2498	0.0709	
135	2.4699	0.6602	0.2250	0.0640	
140	2.3257	0.6583	0.2002	0.0571	
145	2.1509	0.6565	0.1753	0.0501	
150	1.9445	0.6551	0.1503	0.0430	
155	1.7056	0.6538	0.1253	0.0359	
160	1.4335	0.6528	0.1003	0.0288	
165	1.1274	0.6520	0.0753	0.0216	
170	0.7868	0.6514	0.0502	0.0144	
175	0.4111	0.6511	0.0251	0.0072	
180	0.	0.6510	0.	0.	

GAMMA = 0.4000

ALPHA = 12.000

K = 0.200

DC = 1.7580

X0 = 1.6482

B0 = 2.263273

V2 = -0.3187E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8857	1.5336	0.5313	0.8857	1.5336	0.5759			
5	0.9901	0.8842	1.5029	0.5353	0.8872	1.5634	0.5711	3.5552	3.6194	33.8500
10	1.0051	0.8827	1.4714	0.5384	0.8887	1.5924	0.5656	3.0083	3.1148	11.4415
15	1.0361	0.8812	1.4391	0.5405	0.8902	1.6205	0.5594	2.7328	2.8751	5.9395
20	1.0798	0.8798	1.4059	0.5415	0.8918	1.6477	0.5527	2.5561	2.7300	3.6710
25	1.1341	0.8783	1.3719	0.5415	0.8933	1.6741	0.5454	2.4289	2.6315	2.4942
30	1.1973	0.8769	1.3370	0.5404	0.8949	1.6997	0.5377	2.3315	2.5603	1.7980
35	1.2680	0.8756	1.3013	0.5381	0.8965	1.7245	0.5296	2.2536	2.5066	1.3494
40	1.3449	0.8742	1.2648	0.5347	0.8980	1.7484	0.5211	2.1895	2.4650	1.0426
45	1.4269	0.8729	1.2275	0.5300	0.8996	1.7715	0.5124	2.1356	2.4319	0.8283
50	1.5127	0.8716	1.1895	0.5242	0.9011	1.7938	0.5034	2.0895	2.4053	0.6613
55	1.6013	0.8704	1.1506	0.5171	0.9027	1.8153	0.4943	2.0495	2.3836	0.5382
60	1.6916	0.8692	1.1110	0.5087	0.9042	1.8361	0.4850	2.0145	2.3656	0.4429
65	1.7825	0.8680	1.0707	0.4991	0.9057	1.8561	0.4757	1.9836	2.3507	0.3677
70	1.8729	0.8669	1.0297	0.4883	0.9072	1.8753	0.4664	1.9561	2.3382	0.3076
75	1.9620	0.8658	0.9880	0.4763	0.9087	1.8938	0.4571	1.9315	2.3276	0.2589
80	2.0486	0.8647	0.9456	0.4630	0.9102	1.9115	0.4480	1.9094	2.3187	0.2191
85	2.1318	0.8637	0.9025	0.4485	0.9116	1.9286	0.4389	1.8893	2.3111	0.1864
90	2.2108	0.8627	0.8588	0.4328	0.9131	1.9450	0.4301	1.8712	2.3047	0.1592
95	2.2846	0.8618	0.8146	0.4159	0.9145	1.9607	0.4215	1.8546	2.2991	0.1365
100	2.3524	0.8610	0.7697	0.3979	0.9159	1.9757	0.4132	1.8395	2.2943	0.1174
105	2.4135	0.8601	0.7243	0.3789	0.9172	1.9902	0.4052	1.8257	2.2902	0.1014
110	2.4672	0.8594	0.6784	0.3587	0.9186	2.0040	0.3976	1.8130	2.2867	0.0878
115	2.5128	0.8586	0.6321	0.3376	0.9199	2.0172	0.3903	1.8013	2.2837	0.0763
120	2.5497	0.8579	0.5852	0.3155	0.9212	2.0298	0.3835	1.7906	2.2810	0.0666
125	2.5775	0.8573	0.5380	0.2926	0.9224	2.0418	0.3771	1.7807	2.2787	0.0584
130	2.5958	0.8568	0.4903	0.2687	0.9236	2.0533	0.3712	1.7716	2.2768	0.0514
135	2.6043	0.8562	0.4423	0.2442	0.9248	2.0643	0.3657	1.7631	2.2750	0.0455
140	2.6027	0.8558	0.3940	0.2189	0.9260	2.0748	0.3608	1.7553	2.2735	0.0405
145	2.5910	0.8554	0.3454	0.1929	0.9271	2.0848	0.3565	1.7480	2.2722	0.0364
150	2.5692	0.8550	0.2965	0.1664	0.9282	2.0943	0.3526	1.7413	2.2711	0.0329
155	2.5373	0.8547	0.2474	0.1395	0.9293	2.1036	0.3494	1.7350	2.2701	0.0302
160	2.4956	0.8544	0.1982	0.1121	0.9303	2.1120	0.3467	1.7292	2.2692	0.0280
165	2.4446	0.8542	0.1488	0.0843	0.9313	2.1202	0.3446	1.7238	2.2685	0.0263
170	2.3845	0.8541	0.0992	0.0564	0.9323	2.1281	0.3431	1.7188	2.2678	0.0252
175	2.3161	0.8540	0.0496	0.0282	0.9332	2.1355	0.3422	1.7141	2.2673	0.0245
180	2.2402	0.8540	0.	0.	0.9341	2.1425	0.3419	1.7098	2.2668	0.0243

GAMMA = 0.4000

ALPHA = 12.000

K = 0.300

DC = 1.8819

X0 = 1.4971

B0 = 2.057725

V2 = -0.3609E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0800	0.8905	1.4225	0.4479	0.8905	1.4225	0.4825			
5	0.9911	0.8885	1.3946	0.4523	0.8925	1.4496	0.4774	3.2199	3.2779	27.6394
10	1.0075	0.8865	1.3659	0.4559	0.8945	1.4758	0.4717	2.7268	2.8231	9.3403
15	1.0403	0.8846	1.3364	0.4586	0.8965	1.5012	0.4654	2.4787	2.6074	4.8470
20	1.0861	0.8827	1.3060	0.4604	0.8986	1.5258	0.4586	2.3197	2.4770	2.9945
25	1.1427	0.8809	1.2749	0.4612	0.9007	1.5496	0.4513	2.2052	2.3884	2.0336
30	1.2083	0.8791	1.2429	0.4611	0.9028	1.5726	0.4437	2.1176	2.3245	1.4652
35	1.2816	0.8773	1.2101	0.4599	0.9049	1.5948	0.4357	2.0475	2.2763	1.0992
40	1.3611	0.8756	1.1766	0.4577	0.9070	1.6162	0.4274	1.9899	2.2390	0.8489
45	1.4456	0.8739	1.1422	0.4544	0.9091	1.6368	0.4189	1.9415	2.2094	0.6701
50	1.5339	0.8722	1.1071	0.4501	0.9112	1.6566	0.4102	1.9000	2.1855	0.5381
55	1.6248	0.8706	1.0713	0.4446	0.9133	1.6757	0.4014	1.8641	2.1661	0.4379
60	1.7168	0.8691	1.0347	0.4380	0.9154	1.6940	0.3922	1.8326	2.1500	0.3603
65	1.8094	0.8676	0.9974	0.4303	0.9175	1.7116	0.3833	1.8048	2.1367	0.2992
70	1.9013	0.8661	0.9594	0.4214	0.9196	1.7283	0.3745	1.7801	2.1255	0.2504
75	1.9912	0.8648	0.9207	0.4114	0.9217	1.7448	0.3657	1.7579	2.1160	0.2109
80	2.0782	0.8634	0.8814	0.4004	0.9238	1.7603	0.3571	1.7380	2.1080	0.1786
85	2.1612	0.8622	0.8415	0.3882	0.9258	1.7752	0.3486	1.7199	2.1012	0.1520
90	2.2392	0.8609	0.8009	0.3750	0.9278	1.7894	0.3403	1.7035	2.0954	0.1300
95	2.3114	0.8598	0.7598	0.3607	0.9298	1.8031	0.3323	1.6886	2.0904	0.1116
100	2.3768	0.8587	0.7181	0.3453	0.9318	1.8161	0.3246	1.6749	2.0862	0.0961
105	2.4346	0.8577	0.6758	0.3290	0.9338	1.8285	0.3171	1.6624	2.0825	0.0831
110	2.4841	0.8567	0.6331	0.3117	0.9357	1.8403	0.3101	1.6509	2.0793	0.0722
115	2.5246	0.8558	0.5899	0.2936	0.9376	1.8517	0.3034	1.6403	2.0765	0.0629
120	2.5555	0.8549	0.5463	0.2745	0.9394	1.8624	0.2970	1.6305	2.0741	0.0550
125	2.5763	0.8541	0.5022	0.2546	0.9413	1.8727	0.2912	1.6215	2.0721	0.0483
130	2.5865	0.8534	0.4578	0.2340	0.9431	1.8825	0.2857	1.6132	2.0703	0.0427
135	2.5859	0.8528	0.4130	0.2127	0.9448	1.8918	0.2808	1.6055	2.0687	0.0379
140	2.5742	0.8522	0.3679	0.1907	0.9465	1.9006	0.2763	1.5983	2.0673	0.0338
145	2.5514	0.8517	0.3226	0.1682	0.9482	1.9091	0.2723	1.5917	2.0661	0.0305
150	2.5174	0.8512	0.2769	0.1451	0.9498	1.9171	0.2688	1.5855	2.0651	0.0277
155	2.4724	0.8509	0.2311	0.1216	0.9514	1.9247	0.2658	1.5797	2.0642	0.0255
160	2.4166	0.8506	0.1851	0.0978	0.9530	1.9319	0.2634	1.5744	2.0634	0.0237
165	2.3504	0.8503	0.1390	0.0736	0.9545	1.9387	0.2615	1.5694	2.0627	0.0223
170	2.2744	0.8501	0.0927	0.0492	0.9560	1.9452	0.2601	1.5647	2.0621	0.0214
175	2.1892	0.8500	0.0464	0.0246	0.9574	1.9514	0.2593	1.5604	2.0616	0.0208
180	2.0957	0.8500	0.	0.	0.9588	1.9572	0.2590	1.5564	2.0611	0.0207

GAMMA = 0.4000

ALPHA = 12.000

K = 0.400

DC = 1.9710

XD = 1.3874

BO = 1.922130

W2 = -0.3574E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8943	1.3517	0.3983	0.8943	1.3517	0.4266			
5	0.9919	0.8919	1.3255	0.4029	0.8967	1.3770	0.4213	3.0022	3.0563	23.9381
10	1.0096	0.8895	1.2986	0.4068	0.8992	1.4015	0.4154	2.5443	2.6339	8.0885
15	1.0439	0.8872	1.2709	0.4098	0.9017	1.4232	0.4090	2.3138	2.4336	4.1965
20	1.0915	0.8849	1.2423	0.4121	0.9043	1.4480	0.4021	2.1663	2.3128	2.5920
25	1.1501	0.8826	1.2130	0.4134	0.9069	1.4701	0.3948	2.0602	2.2308	1.7599
30	1.2180	0.8805	1.1828	0.4138	0.9095	1.4914	0.3872	1.9788	2.1715	1.2679
35	1.2936	0.8783	1.1519	0.4133	0.9121	1.5119	0.3792	1.9139	2.1269	0.9511
40	1.3754	0.8763	1.1202	0.4118	0.9147	1.5317	0.3710	1.8604	2.0923	0.7347
45	1.4623	0.8742	1.0878	0.4093	0.9174	1.5507	0.3625	1.8154	2.0649	0.5802
50	1.5529	0.8723	1.0545	0.4058	0.9201	1.5689	0.3539	1.7769	2.0428	0.4662
55	1.6460	0.8704	1.0206	0.4013	0.9227	1.5864	0.3452	1.7435	2.0248	0.3798
60	1.7402	0.8686	0.9859	0.3957	0.9254	1.6032	0.3365	1.7143	2.0099	0.3129
65	1.8344	0.8668	0.9506	0.3890	0.9281	1.6193	0.3277	1.6884	1.9975	0.2603
70	1.9274	0.8651	0.9145	0.3813	0.9308	1.6347	0.3190	1.6653	1.9871	0.2182
75	2.0181	0.8635	0.8778	0.3726	0.9335	1.6494	0.3104	1.6446	1.9783	0.1842
80	2.1052	0.8619	0.8404	0.3628	0.9362	1.6634	0.3020	1.6259	1.9708	0.1564
85	2.1878	0.8604	0.8025	0.3520	0.9388	1.6759	0.2937	1.6090	1.9644	0.1335
90	2.2648	0.8590	0.7639	0.3402	0.9415	1.6897	0.2856	1.5936	1.9590	0.1145
95	2.3352	0.8576	0.7247	0.3274	0.9441	1.7019	0.2778	1.5795	1.9543	0.0987
100	2.3980	0.8563	0.6850	0.3137	0.9467	1.7135	0.2703	1.5666	1.9502	0.0854
105	2.4525	0.8551	0.6448	0.2990	0.9493	1.7246	0.2630	1.5547	1.9467	0.0742
110	2.4979	0.8540	0.6041	0.2834	0.9519	1.7351	0.2562	1.5438	1.9437	0.0647
115	2.5334	0.8529	0.5629	0.2670	0.9544	1.7451	0.2497	1.5338	1.9411	0.0567
120	2.5584	0.8520	0.5213	0.2498	0.9569	1.7546	0.2436	1.5244	1.9388	0.0499
125	2.5717	0.8511	0.4793	0.2318	0.9594	1.7636	0.2377	1.5158	1.9368	0.0441
130	2.5744	0.8502	0.4370	0.2131	0.9618	1.7722	0.2325	1.5078	1.9350	0.0392
135	2.5654	0.8495	0.3943	0.1937	0.9642	1.7803	0.2277	1.5003	1.9335	0.0351
140	2.5444	0.8488	0.3512	0.1737	0.9666	1.7880	0.2234	1.4934	1.9322	0.0316
145	2.5113	0.8482	0.3079	0.1532	0.9689	1.7953	0.2196	1.4869	1.9310	0.0286
150	2.4663	0.8477	0.2644	0.1322	0.9712	1.8023	0.2162	1.4809	1.9300	0.0262
155	2.4094	0.8472	0.2206	0.1108	0.9735	1.8088	0.2134	1.4753	1.9290	0.0243
160	2.3411	0.8469	0.1767	0.0891	0.9757	1.8150	0.2110	1.4700	1.9282	0.0227
165	2.2616	0.8466	0.1327	0.0671	0.9778	1.8209	0.2092	1.4651	1.9275	0.0215
170	2.1717	0.8464	0.0885	0.0448	0.9799	1.8264	0.2079	1.4605	1.9269	0.0207
175	2.0720	0.8463	0.0443	0.0225	0.9820	1.8317	0.2071	1.4562	1.9264	0.0202
180	1.9635	0.8463	0.	0.	0.9840	1.8366	0.2069	1.4521	1.9259	0.0201

GAMMA = 0.4000

ALPHA = 12.000

K = 0.500

DC = 2.0404

XD = 1.2819

BO = 1.820185

W2 = -0.2428E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8974	1.3012	0.3649	0.8974	1.3012	0.3859			
5	0.9926	0.8946	1.2763	0.3696	0.9003	1.3252	0.3805	2.8440	2.8952	21.4134
10	1.0113	0.8918	1.2506	0.3737	0.9032	1.3485	0.3746	2.4415	2.4964	7.2352
15	1.0469	0.8891	1.2241	0.3769	0.9062	1.3710	0.3682	2.1946	2.3079	3.7535
20	1.0960	0.8865	1.1969	0.3794	0.9092	1.3927	0.3613	2.0550	2.1936	2.3183
25	1.1563	0.8839	1.1688	0.3811	0.9122	1.4135	0.3540	1.9548	2.1163	1.5743
30	1.2261	0.8814	1.1400	0.3818	0.9153	1.4337	0.3463	1.8781	2.0604	1.1346
35	1.3037	0.8789	1.1104	0.3817	0.9185	1.4530	0.3384	1.8167	2.0184	0.8517
40	1.3878	0.8766	1.0800	0.3807	0.9217	1.4716	0.3302	1.7662	1.9857	0.6586
45	1.4768	0.8743	1.0488	0.3787	0.9249	1.4894	0.3219	1.7237	1.9598	0.5208
50	1.5696	0.8720	1.0170	0.3757	0.9281	1.5065	0.3133	1.6872	1.9390	0.4192
55	1.6644	0.8699	0.9844	0.3718	0.9313	1.5229	0.3047	1.6556	1.9219	0.3423
60	1.7606	0.8678	0.9510	0.3668	0.9346	1.5385	0.2961	1.6278	1.9077	0.2827
65	1.8563	0.8658	0.9170	0.3609	0.9379	1.5535	0.2875	1.6031	1.8959	0.2359
70	1.9505	0.8639	0.8824	0.3540	0.9412	1.5678	0.2789	1.5811	1.8860	0.1985
75	2.0419	0.8620	0.8470	0.3461	0.9445	1.5814	0.2705	1.5613	1.8776	0.1683
80	2.1293	0.8602	0.8111	0.3372	0.9479	1.5944	0.2621	1.5434	1.8704	0.1436
85	2.2116	0.8586	0.7745	0.3273	0.9512	1.6068	0.2540	1.5271	1.8643	0.1233
90	2.2877	0.8570	0.7373	0.3164	0.9545	1.6186	0.2461	1.5122	1.8590	0.1064
95	2.3566	0.8554	0.6996	0.3046	0.9579	1.6297	0.2384	1.4985	1.8544	0.0923
100	2.4173	0.8540	0.6613	0.2920	0.9612	1.6404	0.2310	1.4860	1.8504	0.0805
105	2.4690	0.8526	0.6226	0.2784	0.9645	1.6504	0.2240	1.4744	1.8470	0.0705
110	2.5108	0.8514	0.5833	0.2640	0.9678	1.6600	0.2173	1.4637	1.8440	0.0621
115	2.5420	0.8502	0.5436	0.2487	0.9711	1.6690	0.2109	1.4538	1.8413	0.0549
120	2.5620	0.8491	0.5034	0.2327	0.9743	1.6776	0.2050	1.4446	1.8390	0.0488
125	2.5703	0.8481	0.4629	0.2160	0.9776	1.6857	0.1994	1.4360	1.8370	0.0437
130	2.5663	0.8471	0.4220	0.1986	0.9808	1.6934	0.1943	1.4279	1.8352	0.0393
135	2.5500	0.8463	0.3808	0.1806	0.9840	1.7006	0.1897	1.4204	1.8336	0.0356
140	2.5209	0.8455	0.3392	0.1620	0.9872	1.7075	0.1855	1.4134	1.8322	0.0324
145	2.4790	0.8449	0.2974	0.1429	0.9903	1.7139	0.1817	1.4068	1.8310	0.0298
150	2.4245	0.8443	0.2554	0.1234	0.9934	1.7200	0.1785	1.4006	1.8299	0.0276
155	2.3574	0.8438	0.2131	0.1034	0.9965	1.7258	0.1757	1.3948	1.8289	0.0259
160	2.2782	0.8434	0.1707	0.0831	0.9995	1.7312	0.1734	1.3893	1.8280	0.0245
165	2.1872	0.8431	0.1282	0.0626	1.0025	1.7363	0.1716	1.3841	1.8273	0.0234
170	2.0854	0.8429	0.0855	0.0418	1.0054	1.7411	0.1704	1.3792	1.8266	0.0227
175	1.9733	0.8428	0.0428	0.0209	1.0084	1.7456	0.1696	1.3746	1.8259	0.0222
180	1.8520	0.8427	0.	0.	1.0112	1.7499	0.1694	1.3703	1.8254	0.0221

GAMMA = 0.4000

ALPHA = 12.000

K = 0.600

DC = 2.0973 XR = 1.1738 BR = 1.731860 TR = 62.85 CR = 5.1863 QR = 0.2045E 05										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9001	1.2628	0.3408	0.9001	1.2628	0.3408			
5	0.9925	0.8969	1.2388	0.3456	0.9033	1.2859	0.3353	2.7213	2.7701	19.5495
10	1.0107	0.8937	1.2141	0.3497	0.9067	1.3083	0.3293	2.3087	2.3898	6.6046
15	1.0456	0.8907	1.1886	0.3531	0.9101	1.3299	0.3227	2.1018	2.2101	3.4260
20	1.0940	0.8877	1.1622	0.3557	0.9135	1.3506	0.3157	1.9687	2.1012	2.1160
25	1.1534	0.8848	1.1352	0.3575	0.9171	1.3707	0.3082	1.8731	2.0274	1.4372
30	1.2222	0.8820	1.1073	0.3585	0.9207	1.3899	0.3003	1.7999	1.9742	1.0362
35	1.2985	0.8793	1.0786	0.3587	0.9243	1.4084	0.2920	1.7413	1.9341	0.7785
40	1.3810	0.8766	1.0493	0.3579	0.9280	1.4261	0.2835	1.6930	1.9029	0.6026
45	1.4680	0.8740	1.0191	0.3563	0.9318	1.4431	0.2747	1.6522	1.8781	0.4772
50	1.5580	0.8716	0.9882	0.3537	0.9356	1.4593	0.2658	1.6172	1.8581	0.3848
55	1.6496	0.8692	0.9567	0.3501	0.9394	1.4749	0.2566	1.5868	1.8417	0.3149
60	1.7413	0.8669	0.9244	0.3457	0.9433	1.4897	0.2474	1.5600	1.8280	0.2608
65	1.8317	0.8646	0.8914	0.3402	0.9472	1.5039	0.2381	1.5362	1.8166	0.2182
70	2.0234	0.8625	0.8578	0.3338	0.9512	1.5173	0.2254	1.5148	1.8069	0.1981
75	2.1017	0.8605	0.8235	0.3265	0.9552	1.5302	0.2437	1.4955	1.7987	0.1672
80	2.1832	0.8585	0.7886	0.3182	0.9592	1.5424	0.2339	1.4780	1.7917	0.1432
85	2.2618	0.8567	0.7531	0.3090	0.9633	1.5540	0.2251	1.4620	1.7856	0.1237
90	2.3352	0.8549	0.7170	0.2988	0.9674	1.5650	0.2167	1.4473	1.7803	0.1077
95	2.4016	0.8532	0.6803	0.2878	0.9715	1.5754	0.2088	1.4338	1.7757	0.0945
100	2.4598	0.8517	0.6431	0.2759	0.9756	1.5853	0.2013	1.4213	1.7717	0.0834
105	2.5088	0.8502	0.6055	0.2631	0.9798	1.5947	0.1942	1.4096	1.7682	0.0740
110	2.5475	0.8488	0.5673	0.2495	0.9840	1.6035	0.1875	1.3988	1.7651	0.0662
115	2.5752	0.8475	0.5287	0.2352	0.9881	1.6119	0.1812	1.3887	1.7624	0.0595
120	2.5912	0.8463	0.4897	0.2201	0.9923	1.6198	0.1753	1.3792	1.7599	0.0538
125	2.5950	0.8452	0.4503	0.2043	0.9965	1.6272	0.1699	1.3703	1.7577	0.0490
130	2.5860	0.8442	0.4105	0.1879	1.0007	1.6342	0.1648	1.3619	1.7558	0.0449
135	2.5641	0.8433	0.3704	0.1709	1.0050	1.6408	0.1603	1.3540	1.7541	0.0414
140	2.5288	0.8424	0.3300	0.1533	1.0092	1.6470	0.1561	1.3465	1.7525	0.0385
145	2.4803	0.8417	0.2893	0.1352	1.0134	1.6529	0.1525	1.3394	1.7511	0.0360
150	2.4185	0.8411	0.2484	0.1167	1.0176	1.6584	0.1493	1.3326	1.7498	0.0340
155	2.3437	0.8406	0.2073	0.0979	1.0218	1.6635	0.1466	1.3262	1.7486	0.0323
160	2.2563	0.8401	0.1661	0.0787	1.0261	1.6684	0.1444	1.3200	1.7476	0.0310
165	2.1567	0.8398	0.1247	0.0592	1.0303	1.6729	0.1426	1.3141	1.7466	0.0300
170	2.0457	0.8395	0.0832	0.0396	1.0345	1.6772	0.1414	1.3085	1.7457	0.0293
175	1.9241	0.8394	0.0416	0.0198	1.0387	1.6812	0.1407	1.3030	1.7449	0.0289
180	1.7929	0.8393	0.	0.	1.0429	1.6850	0.1404	1.2978	1.7442	0.0288

GAMMA = 0.4000

ALPHA = 12.000

K = 0.800

DC = 2.1871 XR = 1.1422 BR = 1.601482 TR = 159.76 CR = 2.7884 QR = 0.6656E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9043	1.2075	0.3084	0.9043	1.2075	0.3084			
5	0.9943	0.9004	1.1848	0.3132	0.9084	1.2294	0.3031	2.5390	2.5845	16.9347
10	1.0152	0.8966	1.1614	0.3173	0.9125	1.2505	0.2973	2.1562	2.2317	5.7214
15	1.0539	0.8929	1.1371	0.3207	0.9167	1.2709	0.2909	1.9640	2.0649	2.9687
20	1.1070	0.8894	1.1121	0.3234	0.9211	1.2905	0.2841	1.8404	1.9638	1.8351
25	1.1721	0.8859	1.0864	0.3254	0.9255	1.3093	0.2769	1.7516	1.8954	1.2484
30	1.2475	0.8825	1.0599	0.3266	0.9301	1.3274	0.2694	1.6833	1.8458	0.9024
35	1.3314	0.8793	1.0326	0.3270	0.9348	1.3447	0.2615	1.6286	1.8084	0.6804
40	1.4219	0.8761	1.0046	0.3266	0.9395	1.3613	0.2535	1.5833	1.7792	0.5293
45	1.5176	0.8731	0.9759	0.3253	0.9444	1.3772	0.2452	1.5450	1.7559	0.4217
50	1.6168	0.8702	0.9464	0.3232	0.9495	1.3924	0.2368	1.5118	1.7369	0.3426
55	1.7179	0.8674	0.9163	0.3201	0.9546	1.4069	0.2282	1.4828	1.7211	0.2828
60	1.8194	0.8647	0.8855	0.3162	0.9598	1.4207	0.2197	1.4570	1.7080	0.2367
65	1.9199	0.8621	0.8540	0.3114	0.9652	1.4339	0.2111	1.4339	1.6968	0.2005
70	2.0178	0.8596	0.8218	0.3057	0.9707	1.4464	0.2026	1.4130	1.6872	0.1717
75	2.1119	0.8573	0.7890	0.2991	0.9763	1.4584	0.1941	1.3939	1.6790	0.1485
80	2.2008	0.8550	0.7556	0.2917	0.9820	1.4697	0.1858	1.3763	1.6717	0.1296
85	2.2833	0.8529	0.7217	0.2833	0.9879	1.4804	0.1776	1.3600	1.6654	0.1141
90	2.3582	0.8509	0.6871	0.2741	0.9940	1.4906	0.1696	1.3448	1.6597	0.1014
95	2.4246	0.8489	0.6521	0.2641	1.0002	1.5003	0.1619	1.3306	1.6547	0.0908
100	2.4816	0.8471	0.6165	0.2532	1.0066	1.5095	0.1545	1.3171	1.6501	0.0821
105	2.5285	0.8454	0.5804	0.2415	1.0132	1.5182	0.1474	1.3042	1.6460	0.0749
110	2.5649	0.8438	0.5438	0.2291	1.0200	1.5264	0.1406	1.2919	1.6421	0.0690
115	2.5907	0.8424	0.5069	0.2160	1.0270	1.5343	0.1344	1.2800	1.6386	0.0642
120	2.6065	0.8410	0.4695	0.2022	1.0344	1.5417	0.1286	1.2684	1.6353	0.0606
125	2.6134	0.8397	0.4317	0.1877	1.0421	1.5488	0.1234	1.2569	1.6321	0.0579
130	2.6139	0.8386	0.3936	0.1727	1.0502	1.5556	0.1191	1.2456	1.6291	0.0553
135	2.6131	0.8375	0.3551	0.1570	1.0589	1.5622	0.1158	1.2341	1.6261	0.0530
140	2.6207	0.8366	0.3164	0.1409	1.0683	1.5686	0.1140	1.2223	1.6230	0.0513
145	2.6289	0.8358	0.2774	0.1243	1.0788	1.5749	0.1149	1.2098	1.6199	0.0514
150	2.7875	0.8351	0.2382	0.1073	1.0910	1.5814	0.1212	1.1959	1.6163	0.0709
155	3.2563	0.8345	0.1988	0.0900	1.1067	1.5886	0.1460	1.1788	1.6119	0.0980
160	0.7418	0.8340	0.1593	0.0723						
165	0.5849	0.8336	0.1196	0.0545						
170	0.4089	0.8333	0.0798	0.0364						
175	0.2139	0.8332	0.0399	0.0182						
180	0.	0.8331	0.	0.						

GANMA = 0.4000

ALPHA = 12.000

K = 1.000

DC = 2.2567	XR = 1.1278	BR = 1.514599	TR = 116.50	CR = 2.0334	QR = 0.2135E 03					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9077	1.1690	0.2882	0.9077	1.1690	0.2882			
5	0.9961	0.9031	1.1472	0.2927	0.9124	1.1902	0.2832	2.4066	2.4496	15.1513
10	1.0201	0.8987	1.1245	0.2966	0.9173	1.2106	0.2777	2.0454	2.1169	5.1200
15	1.0631	0.8944	1.1011	0.2999	0.9223	1.2302	0.2717	1.8639	1.9594	2.6587
20	1.1219	0.8903	1.0770	0.3025	0.9275	1.2491	0.2654	1.7471	1.8639	1.6463
25	1.1942	0.8863	1.0521	0.3045	0.9329	1.2673	0.2587	1.6629	1.7992	1.1233
30	1.2780	0.8825	1.0265	0.3057	0.9384	1.2848	0.2518	1.5981	1.7521	0.8155
35	1.3715	0.8788	1.0001	0.3062	0.9442	1.3015	0.2447	1.5459	1.7164	0.6184
40	1.4730	0.8752	0.9730	0.3059	0.9501	1.3176	0.2374	1.5024	1.6883	0.4846
45	1.5809	0.8718	0.9453	0.3047	0.9563	1.3330	0.2300	1.4653	1.6657	0.3898
50	1.6938	0.8685	0.9168	0.3028	0.9627	1.3477	0.2225	1.4331	1.6471	0.3203
55	1.8102	0.8654	0.8876	0.3001	0.9693	1.3618	0.2152	1.4045	1.6315	0.2682
60	1.9291	0.8623	0.8578	0.2965	0.9762	1.3753	0.2079	1.3788	1.6182	0.2284
65	2.0495	0.8594	0.8273	0.2920	0.9833	1.3882	0.2009	1.3554	1.6067	0.1975
70	2.1708	0.8567	0.7962	0.2867	0.9908	1.4005	0.1941	1.3339	1.5966	0.1734
75	2.2928	0.8540	0.7645	0.2806	0.9987	1.4124	0.1879	1.3138	1.5877	0.1547
80	2.4162	0.8515	0.7321	0.2736	1.0070	1.4238	0.1822	1.2948	1.5796	0.1403
85	2.5428	0.8492	0.6992	0.2658	1.0159	1.4348	0.1774	1.2767	1.5721	0.1296
90	2.6766	0.8469	0.6658	0.2572	1.0254	1.4454	0.1739	1.2590	1.5651	0.1223
95	2.8262	0.8448	0.6318	0.2478	1.0358	1.4558	0.1723	1.2415	1.5584	0.1187
100	3.0100	0.8428	0.5974	0.2376	1.0473	1.4661	0.1740	1.2238	1.5517	0.1196
105	3.2754	0.8409	0.5624	0.2267	1.0606	1.4766	0.1824	1.2050	1.5448	0.1283
110	3.7862	0.8392	0.5270	0.2151	1.0772	1.4880	0.2087	1.1836	1.5369	0.1555
115	6.0906	0.8375	0.4912	0.2028	1.1034	1.5030	0.3615	1.1535	1.5253	0.3076
120	1.4137	0.8360	0.4549	0.1898						
125	1.3955	0.8346	0.4183	0.1763						
130	1.3613	0.8334	0.3814	0.1621						
135	1.3103	0.8322	0.3442	0.1475						
140	1.2417	0.8312	0.3066	0.1323						
145	1.1548	0.8303	0.2689	0.1167						
150	1.0489	0.8296	0.2309	0.1008						
155	0.9238	0.8289	0.1927	0.0845						
160	0.7789	0.8284	0.1543	0.0679						
165	0.6141	0.8279	0.1159	0.0512						
170	0.4294	0.8276	0.0773	0.0362						
175	0.2246	0.8275	0.0387	0.0171						
180	0.	0.8274	0.	0.						

GANMA = 0.4000

ALPHA = 12.000

K = 1.200

DC = 2.3137		XR = 1.1191		BR = 1.452725		TR = 93.04		CR = 1.6238		QR = 0.1133E 03	
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9103	1.1405	0.2749	0.9103	1.1405	0.2749				
5	0.9980	0.9051	1.1191	0.2790	0.9157	1.1612	0.2703	2.3042	2.3454	13.8349	
10	1.0254	0.9002	1.0970	0.2826	0.9213	1.1811	0.2654	1.9591	2.0275	4.6775	
15	1.0735	0.8954	1.0741	0.2857	0.9271	1.2004	0.2600	1.7861	1.8775	2.4322	
20	1.1393	0.8907	1.0506	0.2881	0.9332	1.2190	0.2544	1.6745	1.7863	1.5101	
25	1.2203	0.8863	1.0263	0.2899	0.9395	1.2368	0.2486	1.5938	1.7242	1.0347	
30	1.3147	0.8820	1.0013	0.2910	0.9461	1.2540	0.2426	1.5313	1.6788	0.7557	
35	1.4207	0.8779	0.9756	0.2914	0.9530	1.2706	0.2366	1.4807	1.6441	0.5777	
40	1.5372	0.8740	0.9492	0.2911	0.9603	1.2865	0.2306	1.4382	1.6166	0.4575	
45	1.6630	0.8702	0.9220	0.2900	0.9679	1.3019	0.2248	1.4016	1.5942	0.3729	
50	1.7975	0.8666	0.8943	0.2881	0.9759	1.3167	0.2194	1.3694	1.5754	0.3117	
55	1.9409	0.8632	0.8658	0.2855	0.9844	1.3310	0.2145	1.3403	1.5594	0.2658	
60	2.0943	0.8599	0.8367	0.2821	0.9935	1.3448	0.2104	1.3138	1.5454	0.2337	
65	2.2610	0.8567	0.8070	0.2778	1.0033	1.3583	0.2076	1.2889	1.5328	0.2098	
70	2.4475	0.8537	0.7766	0.2728	1.0139	1.3716	0.2069	1.2653	1.5213	0.1937	
75	2.6687	0.8508	0.7457	0.2670	1.0258	1.3847	0.2096	1.2421	1.5105	0.1856	
80	2.9603	0.8481	0.7141	0.2603	1.0395	1.3981	0.2189	1.2186	1.4997	0.1874	
85	3.4319	0.8456	0.6821	0.2529	1.0562	1.4124	0.2447	1.1934	1.4883	0.2081	
90	4.7112	0.8431	0.6494	0.2447	1.0799	1.4296	0.3419	1.1623	1.4740	0.3025	
95	1.3549	0.8408	0.6163	0.2358							
100	1.4032	0.8387	0.5827	0.2261							
105	1.4404	0.8367	0.5486	0.2157							
110	1.4653	0.8348	0.5140	0.2047							
115	1.4766	0.8330	0.4791	0.1930							
120	1.4734	0.8314	0.4438	0.1806							
125	1.4545	0.8299	0.4081	0.1677							
130	1.4188	0.8286	0.3720	0.1543							
135	1.3657	0.8273	0.3357	0.1403							
140	1.2941	0.8262	0.2991	0.1259							
145	1.2035	0.8253	0.2623	0.1111							
150	1.0932	0.8245	0.2252	0.0959							
155	0.9628	0.8237	0.1879	0.0804							
160	0.8118	0.8232	0.1505	0.0646							
165	0.6401	0.8227	0.1130	0.0487							
170	0.4475	0.8224	0.0754	0.0325							
175	0.2341	0.8222	0.0377	0.0163							
180	0.	0.8222	0.	0.							

GAMMA = 0.4000

ALPHA = 12.000

K = 1.400

DC = 2.3619 XR = 1.1132 BR = 1.406398 TR = 77.88 CR = 1.3593 QR = 0.7415E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9125	1.1184	0.2660	0.9125	1.1184	0.2660			
5	1.0001	0.9067	1.0973	0.2696	0.9186	1.1388	0.2620	2.2208	2.2604	12.8136
10	1.0313	0.9012	1.0755	0.2728	0.9249	1.1585	0.2577	1.8892	1.9550	4.3352
15	1.0853	0.8959	1.0530	0.2755	0.9315	1.1776	0.2532	1.7231	1.8111	2.2585
20	1.1592	0.8909	1.0298	0.2776	0.9384	1.1961	0.2486	1.6155	1.7232	1.4073
25	1.2508	0.8860	1.0059	0.2792	0.9457	1.2139	0.2440	1.5373	1.6630	0.9697
30	1.3584	0.8814	0.9814	0.2801	0.9535	1.2312	0.2394	1.4765	1.6188	0.7138
35	1.4810	0.8769	0.9561	0.2804	0.9616	1.2479	0.2352	1.4267	1.5846	0.5515
40	1.6185	0.8726	0.9302	0.2800	0.9704	1.2641	0.2316	1.3846	1.5572	0.4429
45	1.7717	0.8686	0.9036	0.2789	0.9797	1.2799	0.2288	1.3477	1.5344	0.3680
50	1.9437	0.8647	0.8763	0.2770	0.9898	1.2953	0.2274	1.3147	1.5150	0.3157
55	2.1409	0.8609	0.8484	0.2744	1.0010	1.3108	0.2284	1.2842	1.4978	0.2802
60	2.3783	0.8574	0.8199	0.2711	1.0134	1.3258	0.2335	1.2552	1.4821	0.2589
65	2.6922	0.8540	0.7907	0.2670	1.0279	1.3415	0.2466	1.2266	1.4670	0.2529
70	3.1955	0.8508	0.7610	0.2621	1.0457	1.3583	0.2796	1.1966	1.4515	0.2723
75	4.5599	0.8477	0.7306	0.2564	1.0715	1.3790	0.4040	1.1602	1.4326	0.3869
80	1.1993	0.8448	0.6997	0.2500						
85	1.2759	0.8421	0.6683	0.2429						
90	1.3450	0.8395	0.6363	0.2350						
95	1.4052	0.8370	0.6038	0.2264						
100	1.4552	0.8348	0.5709	0.2171						
105	1.4937	0.8326	0.5374	0.2071						
110	1.5194	0.8306	0.5036	0.1965						
115	1.5311	0.8288	0.4694	0.1852						
120	1.5276	0.8270	0.4347	0.1734						
125	1.5079	0.8255	0.3998	0.1610						
130	1.4709	0.8240	0.3645	0.1481						
135	1.4157	0.8228	0.3289	0.1347						
140	1.3415	0.8216	0.2930	0.1208						
145	1.2476	0.8206	0.2569	0.1066						
150	1.1332	0.8197	0.2206	0.0920						
155	0.9979	0.8190	0.1841	0.0772						
160	0.8414	0.8184	0.1475	0.0620						
165	0.6634	0.8179	0.1107	0.0467						
170	0.4638	0.8175	0.0739	0.0312						
175	0.2426	0.8173	0.0369	0.0156						
180	0.	0.8173	0.	0.						

GAMMA = 0.4000

ALPHA = 12.000

K = 1.600

DC = 2.4037 XR = 1.1088 BR = 1.370388 TR = 87.17 CR = 1.1723 QR = 0.5427E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9143	1.1006	0.2601	0.9143	1.1006	0.2601			
5	1.0022	0.9080	1.0797	0.2631	0.9210	1.1209	0.2568	2.1517	2.1901	11.9900
10	1.0377	0.9020	1.0581	0.2658	0.9280	1.1406	0.2534	1.8317	1.8954	4.0603
15	1.0985	0.8962	1.0358	0.2680	0.9354	1.1597	0.2500	1.6704	1.7556	2.1209
20	1.1819	0.8907	1.0129	0.2698	0.9433	1.1783	0.2467	1.5659	1.6702	1.3277
25	1.2861	0.8855	0.9894	0.2711	0.9517	1.1963	0.2437	1.4896	1.6115	0.9212
30	1.4104	0.8805	0.9651	0.2718	0.9606	1.2138	0.2413	1.4297	1.5679	0.6848
35	1.5553	0.8757	0.9402	0.2719	0.9702	1.2310	0.2399	1.3803	1.5339	0.5365
40	1.7238	0.8711	0.9146	0.2713	0.9807	1.2479	0.2402	1.3379	1.5060	0.4394
45	1.9228	0.8668	0.8884	0.2701	0.9923	1.2647	0.2432	1.3000	1.4824	0.3765
50	2.1684	0.8626	0.8616	0.2682	1.0055	1.2816	0.2513	1.2650	1.4614	0.3364
55	2.5015	0.8587	0.8341	0.2656	1.0209	1.2991	0.2694	1.2311	1.4417	0.3208
60	3.0567	0.8549	0.8060	0.2623	1.0402	1.3183	0.3142	1.1961	1.4218	0.3413
65	4.8086	0.8513	0.7773	0.2583	1.0700	1.3432	0.5063	1.1529	1.3972	0.5159
70	1.0638	0.8479	0.7480	0.2535						
75	1.1542	0.8447	0.7182	0.2480						
80	1.2396	0.8416	0.6878	0.2418						
85	1.3185	0.8387	0.6568	0.2348						
90	1.3897	0.8360	0.6254	0.2271						
95	1.4517	0.8334	0.5934	0.2188						
100	1.5032	0.8310	0.5610	0.2098						
105	1.5428	0.8288	0.5282	0.2001						
110	1.5692	0.8267	0.4949	0.1898						
115	1.5811	0.8247	0.4612	0.1789						
120	1.5774	0.8229	0.4272	0.1675						
125	1.5570	0.8213	0.3928	0.1555						
130	1.5187	0.8198	0.3581	0.1430						
135	1.4616	0.8185	0.3232	0.1300						
140	1.3849	0.8172	0.2879	0.1167						
145	1.2879	0.8162	0.2524	0.1029						
150	1.1698	0.8153	0.2168	0.0889						
155	1.0301	0.8145	0.1809	0.0745						
160	0.8685	0.8139	0.1449	0.0599						
165	0.6848	0.8134	0.1088	0.0451						
170	0.4787	0.8130	0.0726	0.0301						
175	0.2564	0.8128	0.0363	0.0151						
180	0.	0.8127	0.	0.						

GAMMA = 0.4000

ALPHA = 221000

K = 1.800

DC = 214407	NR = 1.1056	BR = 1.1341578	TR = 59.14	CR = 1.0321	QR = 0.4250E 02					
TIMEA	ST	K1	R1	S1	K2	B2	S2	X3	B3	S3
0	1.00000	0.9159	1.0861	0.2569	0.9159	1.0861	0.2563			
5	1.0046	0.9090	1.0852	0.2588	0.9232	1.0864	0.2539	2.0922	2.1295	11.3094
10	1.0448	0.9025	1.0437	0.2607	0.9309	1.1161	0.2515	1.17813	1.8432	3.8161
15	1.1132	0.8963	1.0216	0.2625	0.9391	1.1434	0.2494	1.6252	1.7080	2.0094
20	1.2077	0.8904	0.9989	0.2639	0.9479	1.1842	0.2478	1.5231	1.6246	1.2849
25	1.3271	0.8848	0.9755	0.2648	0.9574	1.1878	0.2470	1.4482	1.5669	0.8860
30	1.4726	0.8795	0.9515	0.2652	0.9677	1.2007	0.2478	1.3889	1.5236	0.6661
35	1.6485	0.8744	0.9268	0.2651	0.9791	1.2186	0.2509	1.3393	1.4892	0.5315
40	1.8657	0.8696	0.9016	0.2644	0.9919	1.2367	0.2583	1.2957	1.4606	0.4476
45	2.11808	0.8650	0.8757	0.2631	1.0066	1.2553	0.2739	1.2557	1.4351	0.4005
50	2.5816	0.8606	0.8491	0.2611	1.0247	1.2732	0.3085	1.2166	1.4110	0.3911
55	3.15196	0.8564	0.8220	0.2585	1.0497	1.2989	0.4129	1.1739	1.3851	0.4639
60	0.9013	0.8525	0.7943	0.2551						
65	1.0002	0.8487	0.7659	0.2511						
70	1.0968	0.8451	0.7370	0.2464						
75	1.1897	0.8417	0.7076	0.2410						
80	1.2774	0.8385	0.6776	0.2349						
85	1.3585	0.8355	0.6471	0.2281						
90	1.4316	0.8327	0.6161	0.2206						
95	1.4952	0.8300	0.5846	0.2125						
100	1.5480	0.8275	0.5527	0.2037						
105	1.5885	0.8251	0.5203	0.1943						
110	1.6155	0.8230	0.4875	0.1842						
115	1.6276	0.8209	0.4543	0.1737						
120	1.6237	0.8191	0.4208	0.1625						
125	1.6025	0.8174	0.3869	0.1509						
130	1.5629	0.8158	0.3527	0.1387						
135	1.5041	0.8144	0.3183	0.1262						
140	1.4251	0.8131	0.2836	0.1132						
145	1.3251	0.8120	0.2486	0.0999						
150	1.2035	0.8111	0.2135	0.0862						
155	1.0598	0.8103	0.1782	0.0723						
160	0.8936	0.8096	0.1427	0.0581						
165	0.7045	0.8091	0.1071	0.0437						
170	0.4925	0.8088	0.0715	0.0292						
175	0.2576	0.8085	0.0357	0.0146						
180	0.	0.8085	0.	0.						

GAMMA = 0.4000

ALPHA = 12.000

K = 2.000

DC = 2.4739	NR = 1.1028	BR = 1.317994	TR = 52.87	CR = 0.9228	QR = 0.3481E 02					
TIMEA	ST	K1	R1	S1	K2	B2	S2	X3	B3	S3
0	1.00000	0.9172	1.0739	0.2541	0.9172	1.0739	0.2541			
5	1.0070	0.9098	1.0530	0.2556	0.9251	1.0943	0.2526	2.0408	2.0771	10.7339
10	1.0524	0.9028	1.0316	0.2570	0.9335	1.1142	0.2515	1.7386	1.7889	3.4454
15	1.1295	0.8962	1.0095	0.2583	0.9426	1.1337	0.2510	1.5857	1.6664	1.9176
20	1.2366	0.8900	0.9869	0.2593	0.9524	1.1529	0.2515	1.4857	1.5847	1.2150
25	1.3745	0.8841	0.9637	0.2598	0.9631	1.1719	0.2538	1.4116	1.5276	0.8588
30	1.5476	0.8784	0.9398	0.2600	0.9750	1.1908	0.2591	1.3523	1.4842	0.6565
35	1.7688	0.8731	0.9154	0.2596	0.9885	1.2100	0.2697	1.3018	1.4490	0.5369
40	2.0707	0.8680	0.8903	0.2587	1.0042	1.2299	0.2909	1.2563	1.4185	0.4720
45	2.5572	0.8632	0.8647	0.2573	1.0241	1.2518	0.3391	1.2120	1.3899	0.4610
50	3.8468	0.8586	0.8384	0.2552	1.0535	1.2795	0.5113	1.1623	1.3580	0.5916
55	0.8251	0.8542	0.8115	0.2525						
60	0.9276	0.8501	0.7841	0.2491						
65	1.0291	0.8461	0.7561	0.2451						
70	1.1281	0.8424	0.7275	0.2406						
75	1.2233	0.8389	0.6984	0.2351						
80	1.3131	0.8356	0.6688	0.2291						
85	1.3962	0.8324	0.6386	0.2224						
90	1.4710	0.8295	0.6080	0.2150						
95	1.5361	0.8267	0.5769	0.2071						
100	1.5900	0.8241	0.5454	0.1985						
105	1.6314	0.8217	0.5134	0.1893						
110	1.6589	0.8194	0.4810	0.1795						
115	1.6711	0.8173	0.4483	0.1691						
120	1.6669	0.8154	0.4152	0.1583						
125	1.6449	0.8136	0.3818	0.1469						
130	1.6042	0.8120	0.3480	0.1351						
135	1.5437	0.8106	0.3140	0.1228						
140	1.4625	0.8093	0.2798	0.1102						
145	1.3598	0.8081	0.2453	0.0972						
150	1.2350	0.8072	0.2106	0.0839						
155	1.0875	0.8063	0.1758	0.0703						
160	0.9168	0.8057	0.1408	0.0565						
165	0.7228	0.8051	0.1057	0.0426						
170	0.5053	0.8048	0.0705	0.0285						
175	0.2643	0.8045	0.0353	0.0143						
180	0.	0.8045	0.	0.						

GAMMA=0.4000 ALPHA=12.000 K= 2.200

DC= 2.5041 XR= 1.10070 BR= 1.29833
TR=47.8387 CR= 0.83494 QR=29.42359

THETA	ST	X1	B1	S1
0	1.0000	0.9184	1.0636	0.2530
5	1.0094	0.9105	1.0426	0.2537
10	1.0607	0.9030	1.0211	0.2544
15	1.1474	0.8960	0.9991	0.2551
20	1.2692	0.8894	0.9765	0.2556
25	1.4295	0.8832	0.9534	0.2559
30	1.6400	0.8773	0.9297	0.2557
35	1.9321	0.8717	0.9054	0.2551
40	2.4068	0.8664	0.8805	0.2540
45	3.6738	0.8613	0.8551	0.2524
50	0.7433	0.8566	0.8290	0.2502
55	0.8479	0.8520	0.8024	0.2474
60	0.9529	0.8477	0.7752	0.2440
65	1.0567	0.8436	0.7475	0.2400
70	1.1580	0.8398	0.7192	0.2353
75	1.2552	0.8361	0.6904	0.2300
80	1.3470	0.8327	0.6610	0.2240
85	1.4319	0.8295	0.6312	0.2175
90	1.5082	0.8264	0.6009	0.2102
95	1.5747	0.8235	0.5702	0.2024
100	1.6297	0.8209	0.5390	0.1940
105	1.6718	0.8184	0.5074	0.1849
110	1.6997	0.8160	0.4754	0.1753
115	1.7120	0.8139	0.4430	0.1652
120	1.7075	0.8119	0.4103	0.1546
125	1.6848	0.8101	0.3772	0.1435
130	1.6429	0.8084	0.3439	0.1319
135	1.5808	0.8069	0.3103	0.1199
140	1.4976	0.8056	0.2764	0.1076
145	1.3923	0.8044	0.2424	0.0949
150	1.2645	0.8034	0.2081	0.0819
155	1.1134	0.8026	0.1737	0.0687
160	0.9386	0.8019	0.1391	0.0552
165	0.7400	0.8013	0.1044	0.0416
170	0.5173	0.8010	0.0697	0.0278
175	0.2706	0.8007	0.0348	0.0139
180	0.	0.8007	0.	0.

GAMMA=0.4000 ALPHA=12.000 K= 2.600

DC= 2.5573 XR= 1.09743 BR= 1.26739
TR=40.2290 CR= 0.70213 QR=22.42316

THETA	ST	X1	B1	S1
0	1.0000	0.9203	1.0470	0.2535
5	1.0149	0.9114	1.0257	0.2522
10	1.0790	0.9031	1.0040	0.2515
15	1.1884	0.8954	0.9820	0.2510
20	1.3469	0.8881	0.9594	0.2505
25	1.5709	0.8813	0.9364	0.2499
30	1.9114	0.8749	0.9128	0.2492
35	2.5789	0.8688	0.8887	0.2480
40	0.5697	0.8631	0.8641	0.2465
45	0.6744	0.8577	0.8390	0.2446
50	0.7820	0.8526	0.8132	0.2421
55	0.8911	0.8478	0.7870	0.2392
60	1.0004	0.8432	0.7602	0.2357
65	1.1085	0.8388	0.7329	0.2316
70	1.2138	0.8348	0.7051	0.2269
75	1.3149	0.8309	0.6767	0.2216
80	1.4102	0.8273	0.6479	0.2158
85	1.4982	0.8238	0.6186	0.2093
90	1.5774	0.8206	0.5889	0.2023
95	1.6461	0.8176	0.5587	0.1946
100	1.7030	0.8148	0.5281	0.1864
105	1.7464	0.8122	0.4971	0.1777
110	1.7750	0.8097	0.4657	0.1684
115	1.7874	0.8075	0.4339	0.1587
120	1.7821	0.8054	0.4019	0.1484
125	1.7581	0.8035	0.3695	0.1377
130	1.7141	0.8017	0.3368	0.1266
135	1.6490	0.8002	0.3039	0.1151
140	1.5619	0.7988	0.2707	0.1032
145	1.4519	0.7976	0.2373	0.0910
150	1.3184	0.7965	0.2038	0.0786
155	1.1608	0.7956	0.1701	0.0659
160	0.9785	0.7949	0.1362	0.0529
165	0.7714	0.7944	0.1023	0.0398
170	0.5392	0.7939	0.0682	0.0266
175	0.2820	0.7937	0.0341	0.0133
180	0.	0.7936	0.	0.

GAMMA=0.4000 ALPHA=12.000 K= 3.000

DC= 2.6033 XR= 1.099504 BR= 1.24414
TR=34.7366 CR= 0.60627 QR=18.09428

THETA	ST	X1	B1	S1
0	1.0000	0.9218	1.0342	0.2564
5	1.0208	0.9119	1.0125	0.2529
10	1.1004	0.9029	0.9906	0.2505
15	1.2372	0.8944	0.9683	0.2487
20	1.4464	0.8866	0.9457	0.2473
25	1.7799	0.8793	0.9227	0.2459
30	2.4735	0.8724	0.8992	0.2444
35	0.4933	0.8660	0.8752	0.2428
40	0.5979	0.8599	0.8508	0.2409
45	0.7067	0.8542	0.8258	0.2386
50	0.8184	0.8488	0.8003	0.2359
55	0.9315	0.8437	0.7744	0.2327
60	1.0447	0.8388	0.7479	0.2291
65	1.1565	0.8343	0.7209	0.2249
70	1.2654	0.8300	0.6934	0.2202
75	1.3698	0.8260	0.6655	0.2149
80	1.4682	0.8222	0.6371	0.2091
85	1.5590	0.8186	0.6082	0.2027
90	1.6405	0.8153	0.5789	0.1958
95	1.7113	0.8121	0.5492	0.1884
100	1.7697	0.8092	0.5190	0.1804
105	1.8142	0.8064	0.4885	0.1719
110	1.8434	0.8039	0.4576	0.1628
115	1.8557	0.8016	0.4264	0.1534
120	1.8498	0.7994	0.3949	0.1434
125	1.8244	0.7974	0.3630	0.1330
130	1.7783	0.7956	0.3309	0.1223
135	1.7105	0.7940	0.2986	0.1111
140	1.6199	0.7926	0.2660	0.0997
145	1.5056	0.7913	0.2332	0.0879
150	1.3670	0.7902	0.2002	0.0758
155	1.2034	0.7893	0.1671	0.0636
160	1.0144	0.7886	0.1338	0.0511
165	0.7956	0.7880	0.1004	0.0385
170	0.5589	0.7876	0.0670	0.0257
175	0.2923	0.7873	0.0335	0.0129
180	0.	0.7872	0.	0.

GAMMA=0.4000 ALPHA=12.000 K= 4.000

DC= 2.6974 XR= 1.09116 BR= 1.20529
TR=25.9355 CR= 0.45266 QR=12.19546

THETA	ST	X1	B1	S1
0	1.0000	0.9245	1.0122	0.2698
5	1.0382	0.9124	0.9891	0.2597
10	1.1664	0.9014	0.9663	0.2527
15	1.4055	0.8915	0.9434	0.2475
20	1.8874	0.8824	0.9204	0.2435
25	0.3401	0.8740	0.8972	0.2401
30	0.4414	0.8662	0.8737	0.2371
35	0.5455	0.8589	0.8498	0.2342
40	0.6629	0.8522	0.8256	0.2313
45	0.7805	0.8458	0.8009	0.2282
50	0.9006	0.8398	0.7759	0.2249
55	1.0224	0.8342	0.7504	0.2212
60	1.1438	0.8289	0.7244	0.2172
65	1.2635	0.8240	0.6980	0.2128
70	1.3798	0.8193	0.6712	0.2079
75	1.4912	0.8149	0.6440	0.2026
80	1.5960	0.8108	0.6163	0.1969
85	1.6924	0.8069	0.5882	0.1906
90	1.7789	0.8033	0.5597	0.1839
95	1.8537	0.7999	0.5309	0.1767
100	1.9151	0.7968	0.5016	0.1690
105	1.9616	0.7939	0.4721	0.1609
110	1.9916	0.7912	0.4422	0.1524
115	2.0035	0.7886	0.4119	0.1434
120	1.9959	0.7863	0.3814	0.1340
125	1.9674	0.7842	0.3506	0.1243
130	1.9168	0.7823	0.3196	0.1141
135	1.8429	0.7806	0.2883	0.1037
140	1.7446	0.7791	0.2568	0.0930
145	1.6210	0.7777	0.2251	0.0819
150	1.4714	0.7766	0.1933	0.0707
155	1.2950	0.7756	0.1613	0.0592
160	1.0914	0.7748	0.1292	0.0476
165	0.8602	0.7742	0.0969	0.0358
170	0.6012	0.7737	0.0647	0.0239
175	0.3144	0.7735	0.0323	0.0120
180	0.	0.7734	0.	0.

GAMMA=C.4000 ALPHA=12.000 K= 6.000
 CC= 2.8352 XR= 1.08729 BR= 1.16500
 TR=17.2447 CR= 0.30098 QR= 7.38639

THETA	ST	X1	B1	S1
C	1.0000	0.9275	0.9885	0.3086
5	1.0843	0.9111	0.9622	0.2815
10	1.3758	0.8971	0.9371	0.2642
15	2.3774	0.8848	0.9128	0.2521
20	0.3018	0.8737	0.8888	0.2431
25	0.4096	0.8637	0.8650	0.2361
30	0.5252	0.8546	0.8412	0.2303
35	0.6473	0.8461	0.8172	0.2253
40	0.7746	0.8383	0.7930	0.2207
45	0.9058	0.8311	0.7686	0.2162
50	1.0394	0.8244	0.7439	0.2119
55	1.1739	0.8181	0.7189	0.2074
60	1.3077	0.8122	0.6936	0.2028
65	1.4391	0.8067	0.6679	0.1979
70	1.5665	0.8015	0.6418	0.1928
75	1.6881	0.7967	0.6154	0.1873
80	1.8021	0.7922	0.5887	0.1815
85	1.9067	0.7880	0.5616	0.1753
90	2.0000	0.7840	0.5342	0.1688
95	2.0803	0.7804	0.5065	0.1619
100	2.1458	0.7769	0.4784	0.1546
105	2.1947	0.7738	0.4501	0.1470
110	2.2232	0.7708	0.4214	0.1390
115	2.2359	0.7681	0.3925	0.1307
120	2.2250	0.7656	0.3634	0.1220
125	2.1912	0.7634	0.3339	0.1130
130	2.1330	0.7613	0.3043	0.1037
135	2.0492	0.7595	0.2745	0.0941
140	1.9386	0.7578	0.2444	0.0843
145	1.8003	0.7564	0.2143	0.0743
150	1.6333	0.7552	0.1839	0.0641
155	1.4369	0.7541	0.1535	0.0537
160	1.2106	0.7533	0.1229	0.0431
165	0.9539	0.7526	0.0922	0.0324
170	0.6666	0.7521	0.0615	0.0217
175	0.3486	0.7516	0.0308	0.0109
180	0.	0.7517	0.	0.

GAMMA=C.4000 ALPHA=12.000 K= 8.000
 CC= 2.9380 XR= 1.08535 BR= 1.14427
 TR=12.9256 CR= 0.22259 QR= 5.30128

THETA	ST	X1	B1	S1
C	1.0000	0.9292	0.9759	0.3540
5	1.1474	0.9089	0.9462	0.3055
10	1.8206	0.8922	0.9190	0.2771
15	0.2406	0.8779	0.8933	0.2584
20	0.3513	0.8654	0.8683	0.2451
25	0.4708	0.8543	0.8439	0.2351
30	0.5978	0.8442	0.8197	0.2271
35	0.7309	0.8350	0.7955	0.2203
40	0.8690	0.8265	0.7713	0.2144
45	1.0106	0.8187	0.7470	0.2089
50	1.1543	0.8115	0.7225	0.2038
55	1.2986	0.8047	0.6977	0.1987
60	1.4417	0.7985	0.6728	0.1936
65	1.5819	0.7926	0.6475	0.1884
70	1.7174	0.7872	0.6220	0.1830
75	1.8465	0.7821	0.5961	0.1774
80	1.9671	0.7773	0.5700	0.1716
85	2.0775	0.7729	0.5436	0.1655
90	2.1756	0.7687	0.5169	0.1590
95	2.2596	0.7649	0.4899	0.1523
100	2.3276	0.7613	0.4626	0.1453
105	2.3778	0.7580	0.4351	0.1379
110	2.4083	0.7549	0.4073	0.1303
115	2.4175	0.7521	0.3793	0.1223
120	2.4037	0.7495	0.3510	0.1141
125	2.3653	0.7471	0.3226	0.1056
130	2.3009	0.7450	0.2939	0.0969
135	2.2091	0.7431	0.2650	0.0879
140	2.0888	0.7414	0.2360	0.0787
145	1.9388	0.7399	0.2068	0.0693
150	1.7583	0.7386	0.1775	0.0597
155	1.5464	0.7375	0.1481	0.0500
160	1.3024	0.7366	0.1186	0.0402
165	1.0260	0.7359	0.0890	0.0302
170	0.7169	0.7354	0.0594	0.0202
175	0.3749	0.7351	0.0297	0.0101
180	0.	0.7350	0.	0.

GAMMA=C.4000 ALPHA=12.000 K=10.000
 CC= 3.0212 XR= 1.08418 BR= 1.13163
 TR=10.3390 CR= 0.18045 QR= 4.13567

THETA	ST	X1	B1	S1
C	1.0000	0.9302	0.9681	0.4021
5	1.2340	0.9062	0.9350	0.3287
10	0.1638	0.8873	0.9058	0.2892
15	0.2752	0.8715	0.8789	0.2644
20	0.3963	0.8578	0.8531	0.2473
25	0.5256	0.8458	0.8281	0.2347
30	0.6620	0.8350	0.8036	0.2249
35	0.8043	0.8252	0.7792	0.2168
40	0.9512	0.8162	0.7549	0.2099
45	1.1013	0.8080	0.7307	0.2037
50	1.2532	0.8004	0.7063	0.1979
55	1.4053	0.7934	0.6818	0.1923
60	1.5559	0.7868	0.6570	0.1869
65	1.7031	0.7807	0.6321	0.1814
70	1.8451	0.7751	0.6069	0.1759
75	1.9800	0.7698	0.5815	0.1702
80	2.1058	0.7649	0.5559	0.1643
85	2.2206	0.7603	0.5299	0.1582
90	2.3224	0.7560	0.5038	0.1518
95	2.4091	0.7520	0.4773	0.1452
100	2.4789	0.7483	0.4507	0.1384
105	2.5298	0.7449	0.4238	0.1313
110	2.5600	0.7418	0.3966	0.1239
115	2.5677	0.7388	0.3692	0.1162
120	2.5511	0.7362	0.3417	0.1083
125	2.5088	0.7338	0.3139	0.1002
130	2.4390	0.7316	0.2860	0.0919
135	2.3405	0.7296	0.2579	0.0833
140	2.2121	0.7278	0.2296	0.0745
145	2.0524	0.7263	0.2012	0.0656
150	1.8607	0.7250	0.1727	0.0565
155	1.6359	0.7239	0.1441	0.0473
160	1.3776	0.7230	0.1154	0.0380
165	1.0850	0.7223	0.0866	0.0286
170	0.7580	0.7218	0.0577	0.0191
175	0.3963	0.7215	0.0289	0.0096
180	0.	0.7214	0.	0.

GAMMA=C.4000 ALPHA=12.000 K=20.000
 CC= 3.3056 XR= 1.08184 BR= 1.10589
 TR= 4.1707 CR= 0.07279 QR= 1.97192

THETA	ST	X1	B1	S1
C	1.0000	0.9323	0.9517	0.6504
5	0.1153	0.8926	0.9035	0.4213
10	0.2658	0.8657	0.8669	0.3317
15	0.4179	0.8449	0.8356	0.2840
20	0.5756	0.8278	0.8071	0.2540
25	0.7390	0.8132	0.7804	0.2334
30	0.9077	0.8004	0.7548	0.2180
35	1.0809	0.7890	0.7299	0.2061
40	1.2576	0.7788	0.7054	0.1962
45	1.4363	0.7694	0.6813	0.1878
50	1.6155	0.7609	0.6573	0.1804
55	1.7935	0.7531	0.6333	0.1736
60	1.9682	0.7459	0.6094	0.1672
65	2.1379	0.7392	0.5854	0.1610
70	2.3003	0.7330	0.5614	0.1550
75	2.4534	0.7273	0.5372	0.1491
80	2.5950	0.7220	0.5130	0.1431
85	2.7229	0.7170	0.4885	0.1371
90	2.8349	0.7124	0.4640	0.1311
95	2.9288	0.7081	0.4392	0.1249
100	3.0025	0.7042	0.4143	0.1185
105	3.0540	0.7005	0.3893	0.1120
110	3.0810	0.6972	0.3641	0.1054
115	3.0818	0.6941	0.3388	0.0986
120	3.0543	0.6913	0.3133	0.0917
125	2.9969	0.6887	0.2877	0.0846
130	2.9077	0.6864	0.2620	0.0774
135	2.7854	0.6843	0.2361	0.0701
140	2.6283	0.6824	0.2101	0.0626
145	2.4353	0.6808	0.1841	0.0551
150	2.2052	0.6794	0.1580	0.0474
155	1.9365	0.6782	0.1317	0.0396
160	1.6297	0.6773	0.1055	0.0318
165	1.2826	0.6765	0.0791	0.0239
170	0.8958	0.6766	0.0528	0.0160
175	0.4682	0.6757	0.0264	0.0080
180	0.	0.6756	0.	0.

GAMMA = 0.4000

ALPHA = 13.000

K = 0.200

BC = 1.7507

X0 = 1.6327

B0 = 2.238919

W2 = -0.3293E 01

THEYA	S9	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.18913	1.5323	0.5242	0.8913	1.5323	0.5647			
5	0.9903	0.18899	1.5020	0.5288	0.8927	1.5616	0.5592	3.5146	3.5780	33.0644
10	1.0056	0.18886	1.4708	0.5324	0.8941	1.5902	0.5532	2.9742	3.0795	11.1757
15	1.0371	0.18872	1.4388	0.5350	0.8955	1.6179	0.5465	2.7023	2.8429	5.8014
20	1.0813	0.18859	1.4059	0.5366	0.8969	1.6447	0.5393	2.5274	2.6994	3.5854
25	1.1362	0.18846	1.3722	0.5371	0.8983	1.6707	0.5316	2.4018	2.6021	2.4359
30	1.2000	0.18833	1.3376	0.5365	0.8997	1.6959	0.5235	2.3055	2.5317	1.7558
35	1.2713	0.18821	1.3022	0.5347	0.9012	1.7202	0.5149	2.2286	2.4787	1.3176
40	1.3489	0.18808	1.2660	0.5318	0.9026	1.7438	0.5061	2.1653	2.4376	1.0179
45	1.4315	0.18796	1.2289	0.5277	0.9040	1.7663	0.4970	2.1121	2.4050	0.8037
50	1.5179	0.18784	1.1910	0.5223	0.9054	1.7881	0.4876	2.0665	2.3787	0.6454
55	1.6070	0.18773	1.1524	0.5157	0.9068	1.8093	0.4782	2.0271	2.3572	0.5252
60	1.6977	0.18762	1.1129	0.5078	0.9081	1.8295	0.4688	1.9926	2.3395	0.4321
65	1.7890	0.18751	1.0727	0.4986	0.9095	1.8490	0.4590	1.9621	2.3248	0.3586
70	1.8797	0.18740	1.0318	0.4882	0.9109	1.8677	0.4494	1.9349	2.3125	0.2999
75	1.9688	0.18730	0.9902	0.4765	0.9122	1.8857	0.4399	1.9106	2.3021	0.2523
80	2.0553	0.18721	0.9478	0.4635	0.9135	1.9030	0.4305	1.8888	2.2933	0.2135
85	2.1383	0.18711	0.9048	0.4493	0.9148	1.9198	0.4213	1.8690	2.2858	0.1815
90	2.2167	0.18702	0.8612	0.4338	0.9161	1.9355	0.4123	1.8511	2.2794	0.1549
95	2.2898	0.18694	0.8169	0.4172	0.9174	1.9508	0.4035	1.8348	2.2740	0.1327
100	2.3566	0.18686	0.7720	0.3994	0.9186	1.9654	0.3951	1.8199	2.2693	0.1141
105	2.4163	0.18678	0.7266	0.3805	0.9198	1.9799	0.3870	1.8063	2.2653	0.0985
110	2.4682	0.18671	0.6807	0.3604	0.9210	1.9927	0.3792	1.7936	2.2618	0.0852
115	2.5117	0.18664	0.6342	0.3394	0.9222	2.0054	0.3718	1.7823	2.2588	0.0740
120	2.5462	0.18658	0.5873	0.3173	0.9233	2.0178	0.3649	1.7718	2.2562	0.0646
125	2.5710	0.18652	0.5399	0.2943	0.9244	2.0293	0.3585	1.7620	2.2540	0.0565
130	2.5859	0.18647	0.4921	0.2703	0.9255	2.0404	0.3525	1.7530	2.2520	0.0497
135	2.5905	0.18642	0.4440	0.2458	0.9265	2.0509	0.3470	1.7447	2.2503	0.0440
140	2.5846	0.18638	0.3955	0.2204	0.9275	2.0610	0.3420	1.7370	2.2489	0.0391
145	2.5680	0.18634	0.3467	0.1944	0.9285	2.0708	0.3376	1.7299	2.2476	0.0351
150	2.5408	0.18630	0.2977	0.1677	0.9295	2.0798	0.3338	1.7233	2.2465	0.0318
155	2.5030	0.18628	0.2484	0.1405	0.9304	2.0884	0.3305	1.7172	2.2455	0.0291
160	2.4549	0.18625	0.1990	0.1130	0.9313	2.0967	0.3278	1.7115	2.2447	0.0269
165	2.3969	0.18624	0.1494	0.0850	0.9322	2.1046	0.3257	1.7062	2.2440	0.0253
170	2.3294	0.18622	0.0996	0.0568	0.9330	2.1120	0.3242	1.7013	2.2433	0.0242
175	2.2531	0.18621	0.0498	0.0285	0.9338	2.1191	0.3233	1.6967	2.2428	0.0235
180	2.1689	0.18621	0.	0.	0.9346	2.1258	0.3230	1.6925	2.2423	0.0233

GAMMA = 0.4000

ALPHA = 23.000

K = 0.400

DC = 1.9566

X0 = 1.3825

B0 = 1.1903549

W2 = -0.3877E 01

THEYA	S7	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.18993	1.3529	0.3929	0.8993	1.3529	0.4184			
5	0.9921	0.18971	1.3271	0.3981	0.9016	1.3778	0.4126	2.9683	3.0217	23.3827
10	1.0102	0.18949	1.3005	0.4024	0.9039	1.4019	0.4063	2.5156	2.6043	7.9007
15	1.0450	0.18928	1.2731	0.4060	0.9062	1.4262	0.3994	2.1883	2.4067	4.0988
20	1.0932	0.18907	1.2449	0.4088	0.9085	1.4477	0.3922	2.1424	2.2872	2.5313
25	1.1524	0.18886	1.2158	0.4106	0.9109	1.4693	0.3845	2.0375	2.2061	1.7183
30	1.2208	0.18866	1.1859	0.4116	0.9132	1.4902	0.3764	1.9572	2.1477	1.2375
35	1.2969	0.18847	1.1552	0.4116	0.9156	1.5103	0.3681	1.8931	2.1037	0.9280
40	1.3794	0.18827	1.1238	0.4106	0.9180	1.5296	0.3596	1.8403	2.0696	0.7164
45	1.4668	0.18809	1.0915	0.4086	0.9204	1.5481	0.3509	1.7960	2.0425	0.5653
50	1.5580	0.18791	1.0584	0.4055	0.9229	1.5659	0.3420	1.7580	2.0208	0.4538
55	1.6515	0.18773	1.0246	0.4014	0.9253	1.5829	0.3331	1.7251	2.0030	0.3693
60	1.7462	0.18756	0.9901	0.3963	0.9277	1.5993	0.3242	1.6963	1.9884	0.3039
65	1.8409	0.18740	0.9548	0.3900	0.9301	1.6149	0.3153	1.6709	1.9762	0.2524
70	1.9343	0.18724	0.9188	0.3827	0.9326	1.6298	0.3065	1.6482	1.9660	0.2113
75	2.0252	0.18709	0.8821	0.3743	0.9350	1.6441	0.2978	1.6279	1.9574	0.1780
80	2.1126	0.18694	0.8447	0.3648	0.9374	1.6577	0.2892	1.6095	1.9501	0.1509
85	2.1952	0.18680	0.8067	0.3542	0.9397	1.6707	0.2809	1.5930	1.9439	0.1285
90	2.2720	0.18667	0.7681	0.3427	0.9421	1.6830	0.2728	1.5779	1.9386	0.1100
95	2.3415	0.18655	0.7289	0.3300	0.9445	1.6948	0.2648	1.5642	1.9340	0.0946
100	2.4038	0.18643	0.6891	0.3164	0.9468	1.7060	0.2573	1.5516	1.9301	0.0816
105	2.4574	0.18631	0.6487	0.3018	0.9491	1.7167	0.2502	1.5401	1.9267	0.0707
110	2.5015	0.18621	0.6079	0.2863	0.9514	1.7268	0.2433	1.5295	1.9238	0.0615
115	2.5353	0.18611	0.5665	0.2699	0.9536	1.7364	0.2369	1.5197	1.9213	0.0537
120	2.5582	0.18602	0.5247	0.2526	0.9558	1.7455	0.2309	1.5106	1.9191	0.0471
125	2.5696	0.18593	0.4825	0.2345	0.9580	1.7542	0.2253	1.5023	1.9172	0.0415
130	2.5690	0.18586	0.4399	0.2157	0.9601	1.7624	0.2201	1.4946	1.9155	0.0367
135	2.5561	0.18579	0.3970	0.1962	0.9622	1.7702	0.2154	1.4874	1.9140	0.0327
140	2.5307	0.18572	0.3537	0.1760	0.9643	1.7776	0.2111	1.4807	1.9128	0.0293
145	2.4925	0.18567	0.3101	0.1553	0.9663	1.7846	0.2074	1.4745	1.9117	0.0265
150	2.4416	0.18562	0.2663	0.1341	0.9683	1.7912	0.2041	1.4687	1.9107	0.0242
155	2.3782	0.18558	0.2222	0.1124	0.9703	1.7974	0.2013	1.4633	1.9098	0.0223
160	2.3025	0.18554	0.1780	0.0904	0.9722	1.8034	0.1990	1.4583	1.9091	0.0208
165	2.2149	0.18552	0.1336	0.0680	0.9740	1.8089	0.1972	1.4536	1.9084	0.0197
170	2.1161	0.18550	0.0892	0.0455	0.9758	1.8142	0.1959	1.4492	1.9079	0.0189
175	2.0068	0.18549	0.0446	0.0228	0.9776	1.8192	0.1951	1.4451	1.9074	0.0184
180	1.8880	0.18549	0.	0.	0.9793	1.8240	0.1949	1.4413	1.9069	0.0183

GAMMA = 0.4000

ALPHA = 13.000

K = 0.600

WETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	2.08000	0.98458	1.2451	0.13557	0.98458	1.2451	0.13557			
5	0.9935	0.99018	1.2416	0.13410	0.99018	1.2416	0.13394	2.16906	2.7389	1.1007
10	1.0133	0.8989	1.2172	0.13467	0.9108	1.23098	0.13385	2.12850	2.3632	8.4549
15	1.0502	0.8981	1.1920	0.13496	0.9140	1.23318	0.13285	2.10785	2.1854	3.3491
20	1.1008	0.8938	1.1660	0.13528	0.9173	1.23518	0.13182	1.99472	2.0781	2.0687
25	1.1628	0.8908	1.1392	0.13662	0.9284	1.23709	0.13106	1.8528	2.0054	1.4050
30	1.2344	0.8881	1.1116	0.13567	0.9237	1.23896	0.13028	1.77806	1.9529	1.0128
35	1.3140	0.8856	1.0832	0.13674	0.9270	1.24078	0.12947	1.7228	1.9133	0.7405
40	1.4001	0.8831	1.0540	0.13572	0.9304	1.24249	0.12864	1.6752	1.8827	0.5884
45	1.4912	0.8807	1.0240	0.13580	0.9338	1.24413	0.12780	1.6352	1.8584	0.4657
50	1.5861	0.8784	0.9933	0.13639	0.9372	1.24571	0.12695	1.6009	1.8387	0.3752
55	1.6832	0.8762	0.9619	0.13609	0.9407	1.24721	0.12609	1.5710	1.8227	0.3068
60	1.7811	0.8740	0.9297	0.13588	0.9442	1.24865	0.12524	1.5448	1.8094	0.2539
65	1.8786	0.8720	0.8968	0.13478	0.9478	1.25002	0.12439	1.5215	1.7983	0.2123
70	1.9742	0.8700	0.8632	0.13358	0.9514	1.25132	0.12355	1.5007	1.7889	0.1791
75	2.0686	0.8681	0.8289	0.13288	0.9550	1.25255	0.12272	1.4820	1.7810	0.1523
80	2.1547	0.8663	0.7939	0.13208	0.9586	1.25372	0.12191	1.4650	1.7742	0.1305
85	2.2371	0.8646	0.7584	0.13118	0.9622	1.25484	0.12112	1.4495	1.7683	0.1125
90	2.3127	0.8629	0.7222	0.13018	0.9659	1.25589	0.12035	1.4353	1.7633	0.0976
95	2.3803	0.8614	0.6854	0.12910	0.9696	1.25689	0.11961	1.4223	1.7590	0.0862
100	2.4398	0.8599	0.6481	0.12792	0.9732	1.25785	0.11890	1.4109	1.7552	0.0747
105	2.4978	0.8585	0.6105	0.12665	0.9769	1.25873	0.11823	1.4002	1.7519	0.0659
110	2.5526	0.8572	0.5719	0.12529	0.9805	1.25959	0.11759	1.3909	1.7490	0.0585
115	2.6048	0.8560	0.5332	0.12385	0.9842	1.26038	0.11698	1.3828	1.7464	0.0522
120	2.6543	0.8549	0.4938	0.12234	0.9879	1.26112	0.11641	1.3750	1.7441	0.0469
125	2.7010	0.8538	0.4542	0.12075	0.9913	1.26182	0.11589	1.3680	1.7421	0.0423
130	2.7453	0.8529	0.4141	0.11909	0.9952	1.26248	0.11541	1.3614	1.7404	0.0385
135	2.7878	0.8520	0.3737	0.11737	0.9989	1.26312	0.11498	1.3559	1.7388	0.0352
140	2.8289	0.8513	0.3330	0.11559	1.0025	1.26370	0.11457	1.3509	1.7374	0.0325
145	2.8690	0.8508	0.2920	0.11378	1.0061	1.26425	0.11422	1.3462	1.7361	0.0301
150	2.9081	0.8500	0.2507	0.11188	1.0099	1.26478	0.11391	1.3420	1.7350	0.0282
155	2.9466	0.8493	0.2092	0.10997	1.0139	1.26525	0.11365	1.3381	1.7340	0.0267
160	2.9847	0.8491	0.1675	0.10802	1.0180	1.26571	0.11344	1.3345	1.7331	0.0255
165	3.0218	0.8488	0.1258	0.10608	1.0220	1.26614	0.11329	1.3312	1.7322	0.0246
170	3.0590	0.8486	0.0840	0.10408	1.0260	1.26654	0.11315	1.3281	1.7315	0.0239
175	3.0948	0.8485	0.0420	0.10202	1.0307	1.26692	0.11308	1.3253	1.7308	0.0235
180	3.1300	0.8484	0.	0.	1.03510	1.26728	0.11306	1.3257	1.7302	0.0234

GAMMA = 3.4000

ALPHA = 13.000

K = 0.800

WETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	2.18000	0.98888	1.2104	0.13038	0.98888	1.2104	0.13254			
5	0.9946	0.98852	1.1882	0.13085	0.9125	1.2319	0.12974	2.15106	2.6566	1.5424
10	1.0158	0.89817	1.1651	0.13132	0.9163	1.23258	0.12910	2.1323	2.2069	5.5885
15	1.0542	0.8985	1.1413	0.13172	0.9202	1.23325	0.12842	2.0822	2.0422	2.8885
20	1.1078	0.89890	1.1166	0.13205	0.9242	1.23396	0.12769	1.98205	1.9425	1.7903
25	1.1728	0.8918	1.0912	0.13232	0.9283	1.23469	0.12698	1.8929	1.8750	1.2164
30	1.2479	0.8888	1.0649	0.13259	0.9325	1.23542	0.12629	1.8257	1.8283	0.8778
35	1.3312	0.8856	1.0379	0.13289	0.9367	1.23614	0.12561	1.7719	1.7895	0.6604
40	1.4212	0.8827	1.0101	0.13310	0.9411	1.23683	0.12497	1.7267	1.7609	0.5123
45	1.5162	0.8799	0.9816	0.13333	0.9456	1.23756	0.12431	1.6899	1.7381	0.4059
50	1.6148	0.8772	0.9523	0.13358	0.9501	1.23825	0.12374	1.6597	1.7196	0.3294
55	1.7152	0.8746	0.9223	0.13371	0.9548	1.23896	0.12318	1.6353	1.7044	0.2709
60	1.8159	0.8721	0.8915	0.13377	0.9595	1.23961	0.12269	1.6144	1.6917	0.2257
65	1.9155	0.8696	0.8601	0.13385	0.9643	1.24028	0.12211	1.5960	1.6810	0.1903
70	2.0124	0.8673	0.8280	0.13380	0.9692	1.24096	0.12154	1.5803	1.6718	0.1621
75	2.1062	0.8651	0.7952	0.13372	0.9743	1.24163	0.12103	1.5665	1.6640	0.1393
80	2.1925	0.8630	0.7618	0.13355	0.9795	1.24231	0.12054	1.5541	1.6571	0.1208
85	2.2729	0.8610	0.7277	0.13338	0.9848	1.24298	0.12007	1.5431	1.6512	0.1056
90	2.3452	0.8591	0.6931	0.13321	0.9900	1.24365	0.11961	1.5336	1.6459	0.0930
95	2.4081	0.8573	0.6579	0.13305	0.9955	1.24432	0.11916	1.5253	1.6413	0.0826
100	2.4606	0.8556	0.6221	0.13288	1.0011	1.24498	0.11871	1.5180	1.6371	0.0739
105	2.5018	0.8541	0.5858	0.13272	1.0068	1.24563	0.11828	1.5118	1.6334	0.0665
110	2.5390	0.8528	0.5490	0.13258	1.0126	1.24628	0.11786	1.5065	1.6300	0.0606
115	2.5643	0.8512	0.5118	0.13241	1.0187	1.24693	0.11744	1.5020	1.6269	0.0555
120	2.5888	0.8499	0.4741	0.13225	1.0249	1.24758	0.11703	1.5000	1.6240	0.0514
125	2.6037	0.8487	0.4361	0.13212	1.0313	1.24823	0.11661	1.5000	1.6214	0.0480
130	2.6173	0.8476	0.3976	0.13200	1.0380	1.24888	0.11620	1.5000	1.6188	0.0454
135	2.6273	0.8463	0.3589	0.13188	1.0449	1.24953	0.11578	1.5000	1.6164	0.0436
140	2.6309	0.8458	0.3198	0.13178	1.0522	1.25018	0.11536	1.5000	1.6141	0.0425
145	2.6385	0.8450	0.2804	0.13169	1.0600	1.25083	0.11493	1.5000	1.6118	0.0423
150	2.6381	0.8444	0.2408	0.13161	1.0684	1.25148	0.11451	1.5000	1.6095	0.0433
155	2.6292	0.8438	0.2010	0.13154	1.0777	1.25213	0.11409	1.5000	1.6071	0.0442
160	2.6214	0.8433	0.1610	0.13148	1.0884	1.25278	0.11367	1.5000	1.6048	0.0450
165	2.6095	0.8430	0.1209	0.13143	1.1019	1.25343	0.11325	1.5000	1.6011	0.0472
170	0.4279	0.8427	0.0806	0.13137						
175	0.2238	0.8426	0.0403	0.13132						
180	0.	0.8425	0.	0.						

GAMMA = 0.4000

ALPHA = 13.000

K = 1.000

DC = 212291 NR = 111210 BR = 1.506466 YR = 121.92 CR = 2.1298 QR = 0.2972E 03										
THETA	ST	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.9120	1.1724	0.12827	0.9120	1.1724	0.3049			
5	0.9963	0.9078	1.1509	0.12878	0.9163	1.1930	0.2771	2.13797	2.4223	14.8006
10	1.0204	0.9037	1.1287	0.12924	0.9208	1.2129	0.2710	2.10226	2.10933	5.0006
15	1.0892	0.8997	1.1057	0.12963	0.9255	1.2320	0.2645	1.8437	1.9381	2.5947
20	1.1213	0.8959	1.0819	0.12996	0.9303	1.2504	0.2576	1.7285	1.8440	1.6044
25	1.1925	0.8922	1.0574	0.13021	0.9352	1.2680	0.2504	1.6656	1.7802	1.0924
30	1.2748	0.8886	1.0321	0.13040	0.9403	1.2848	0.2430	1.5819	1.7340	0.7908
35	1.3667	0.8852	1.0060	0.13051	0.9455	1.3010	0.2353	1.5308	1.6991	0.5977
40	1.4663	0.8819	0.9791	0.13053	0.9510	1.3164	0.2275	1.4883	1.6717	0.4685
45	1.5720	0.8787	0.9516	0.13048	0.9566	1.3311	0.2197	1.4522	1.6498	0.3735
50	1.6824	0.8756	0.9232	0.13034	0.9623	1.3452	0.2118	1.4209	1.6318	0.3054
55	1.7960	0.8727	0.8942	0.13012	0.9683	1.3586	0.2039	1.3932	1.6169	0.2542
60	1.9114	0.8699	0.8645	0.12980	0.9745	1.3714	0.1962	1.3686	1.6042	0.2149
65	2.0275	0.8672	0.8340	0.12940	0.9809	1.3836	0.1886	1.3462	1.5933	0.1845
70	2.1433	0.8646	0.8029	0.12891	0.9876	1.3952	0.1813	1.3257	1.5839	0.1606
75	2.2580	0.8621	0.7712	0.12834	0.9946	1.4063	0.1735	1.3068	1.5756	0.1417
80	2.3714	0.8598	0.7388	0.12767	1.0019	1.4169	0.1678	1.2890	1.5681	0.1269
85	2.4838	0.8576	0.7058	0.12692	1.0096	1.4270	0.1619	1.2722	1.5614	0.1155
90	2.5967	0.8555	0.6723	0.12608	1.0178	1.4367	0.1567	1.2560	1.5552	0.1089
95	2.7135	0.8535	0.6381	0.12516	1.0265	1.4461	0.1527	1.2403	1.5493	0.1010
100	2.8414	0.8516	0.6035	0.12415	1.0360	1.4552	0.1504	1.2247	1.5437	0.0981
105	2.9763	0.8498	0.5683	0.12306	1.0463	1.4641	0.1509	1.2088	1.5382	0.0988
110	3.1180	0.8482	0.5327	0.12190	1.0586	1.4732	0.1563	1.1921	1.5324	0.1056
115	3.2640	0.8467	0.4966	0.12067	1.0735	1.4829	0.1757	1.1732	1.5259	0.1266
120	3.4130	0.8453	0.4600	0.11936	1.0959	1.4932	0.2159	1.1472	1.5166	0.2297
125	1.4583	0.8440	0.4231	0.11799						
130	1.4236	0.8428	0.3858	0.11656						
135	1.3712	0.8417	0.3482	0.11507						
140	1.3001	0.8408	0.3103	0.11353						
145	1.2097	0.8399	0.2721	0.11195						
150	1.0993	0.8392	0.2337	0.11032						
155	0.9685	0.8386	0.1950	0.10865						
160	0.8169	0.8381	0.1562	0.10696						
165	0.6442	0.8377	0.1173	0.10524						
170	0.4505	0.8374	0.0783	0.10350						
175	0.2356	0.8372	0.0391	0.10176						
180	0.	0.8372	0.	0.						

GAMMA = 0.4000

ALPHA = 13.000

K = 1.200

DC = 212828 NR = 111124 BR = 1.445104 YR = 96.02 CR = 1.6862 QR = 0.1483E 03										
THETA	ST	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.9145	1.1440	0.12690	0.9145	1.1440	0.2922			
5	0.9982	0.9097	1.1231	0.12738	0.9195	1.1642	0.2638	2.12784	2.13191	13.5162
10	1.0253	0.9051	1.1015	0.12781	0.9247	1.1836	0.2581	1.9980	2.0056	4.5674
15	1.0725	0.9007	1.0791	0.12816	0.9301	1.2022	0.2521	1.7670	1.8573	2.3720
20	1.1366	0.8964	1.0559	0.12850	0.9356	1.2202	0.2458	1.6570	1.7674	1.4695
25	1.2154	0.8923	1.0320	0.12874	0.9414	1.2374	0.2393	1.5777	1.7064	1.0088
30	1.3071	0.8883	1.0073	0.12892	0.9475	1.2539	0.2326	1.5165	1.6621	0.7303
35	1.4100	0.8845	0.9819	0.12902	0.9538	1.2698	0.2259	1.4670	1.6283	0.5567
40	1.5227	0.8808	0.9557	0.12905	0.9604	1.2850	0.2192	1.4267	1.6016	0.4376
45	1.6439	0.8773	0.9288	0.12901	0.9672	1.2998	0.2127	1.3903	1.5801	0.3545
50	1.7729	0.8739	0.9012	0.12888	0.9745	1.3136	0.2064	1.3592	1.5621	0.2941
55	1.9090	0.8707	0.8729	0.12867	0.9821	1.3270	0.2004	1.3315	1.5469	0.2496
60	2.0526	0.8676	0.8439	0.12838	0.9902	1.3400	0.1951	1.3062	1.5338	0.2163
65	2.2051	0.8647	0.8142	0.12800	0.9989	1.3525	0.1907	1.2829	1.5222	0.1917
70	2.3700	0.8618	0.7839	0.12754	1.0082	1.3646	0.1875	1.2608	1.5117	0.1741
75	2.5551	0.8592	0.7529	0.12699	1.0184	1.3765	0.1845	1.2396	1.5019	0.1628
80	2.7779	0.8566	0.7213	0.12636	1.0299	1.3883	0.1892	1.2186	1.4926	0.1583
85	3.0826	0.8542	0.6891	0.12564	1.0432	1.4004	0.1991	1.1970	1.4832	0.1636
90	3.6237	0.8519	0.6564	0.12485	1.0598	1.4135	0.2289	1.1731	1.4730	0.1907
95	5.7861	0.8498	0.6230	0.12397	1.0861	1.4307	0.3912	1.1405	1.4585	0.3528
100	1.4621	0.8478	0.5892	0.12301						
105	1.5025	0.8459	0.5549	0.12198						
110	1.5301	0.8441	0.5201	0.12088						
115	1.5434	0.8424	0.4848	0.11970						
120	1.5414	0.8409	0.4492	0.11846						
125	1.5229	0.8395	0.4131	0.11715						
130	1.4867	0.8383	0.3767	0.11579						
135	1.4320	0.8371	0.3400	0.11437						
140	1.3578	0.8361	0.3030	0.11290						
145	1.2634	0.8352	0.2657	0.11139						
150	1.1481	0.8344	0.2282	0.10984						
155	1.0115	0.8338	0.1904	0.10825						
160	0.8532	0.8332	0.1526	0.10664						
165	0.6729	0.8328	0.1145	0.10500						
170	0.4705	0.8325	0.0764	0.10334						
175	0.2461	0.8323	0.0382	0.10167						
180	0.	0.8323	0.	0.						

SANNA * 0.4080 ALPHA * 13.000 K * 1.400

DC = 213281	XR = 1.1663	BR = 1.1399138	YR = 80.34	CR = 1.4086	GR = 0.9397E 02					
WEGA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.10000	0.9166	1.11220	0.12597	0.9166	1.11220	0.12819			
5	1.10001	0.91113	1.1015	0.12641	0.9222	1.11419	0.12549	2.11962	2.2354	12.5169
10	1.10307	0.90662	1.10802	0.12680	0.9280	1.11610	0.12499	1.8888	1.9938	4.2320
15	1.10330	0.90612	1.10582	0.12714	0.9341	1.11794	0.12448	1.17048	1.7918	2.2007
20	1.11542	0.89665	1.10354	0.12749	0.9405	1.11972	0.12391	1.15989	1.7053	1.3672
25	1.12423	0.88920	1.10119	0.12788	0.9472	1.12143	0.12336	1.15222	1.6464	0.9381
30	1.13456	0.88077	0.98777	0.12822	0.9543	1.12308	0.12281	1.14628	1.6033	0.6870
35	1.14631	0.88035	0.96228	0.12792	0.9617	1.12467	0.12229	1.14145	1.5702	0.5276
40	1.15941	0.87996	0.9371	0.12794	0.9696	1.12620	0.12181	1.13737	1.5438	0.4208
45	1.17388	0.87853	0.9107	0.12789	0.9781	1.12768	0.12139	1.13383	1.5221	0.3466
50	1.18988	0.87721	0.8836	0.12777	0.9872	1.12918	0.12107	1.13068	1.5037	0.2942
55	2.10782	0.88880	0.8559	0.12757	0.9970	1.13056	0.12092	1.12780	1.4876	0.2576
60	2.12860	0.88653	0.8274	0.12728	1.0080	1.13193	0.12104	1.12509	1.4732	0.2335
65	2.15431	0.88321	0.7993	0.12693	1.0203	1.13333	0.12165	1.12248	1.4698	0.2215
70	2.19055	0.88591	0.7686	0.12647	1.0350	1.13479	0.12231	1.11983	1.4664	0.2261
75	3.15898	0.88853	0.7382	0.12595	1.0540	1.13641	0.12296	1.11890	1.4619	0.2644
80	1.12443	0.88635	0.7073	0.12634						
85	1.13268	0.88510	0.6757	0.12585						
90	1.13994	0.88385	0.6435	0.12539						
95	1.14643	0.88463	0.6109	0.12506						
100	1.15183	0.88441	0.5777	0.12213						
105	1.15603	0.88521	0.5441	0.12112						
110	2.15689	0.88462	0.5100	0.12007						
115	1.16028	0.88365	0.4754	0.11894						
120	1.16808	0.88389	0.4404	0.11775						
125	1.15815	0.88354	0.4051	0.11649						
130	2.15440	0.88340	0.3694	0.11518						
135	1.15871	0.88328	0.3334	0.11382						
140	1.14101	0.88317	0.2971	0.11240						
145	1.13120	0.88308	0.2605	0.11095						
150	2.11924	0.88300	0.2237	0.10946						
155	1.10505	0.88293	0.1867	0.10793						
160	0.88660	0.88287	0.1496	0.10638						
165	0.88988	0.88283	0.1123	0.10480						
170	0.88864	0.88279	0.0749	0.10321						
175	0.23556	0.88278	0.10375	0.10162						
180	0.	0.88277	0.	0.						

SANNA * 0.4080 ALPHA * 13.000 K * 1.600

DC * 213673	XR * 1.1025	BR * 1.363398	YR * 69.27	CR * 1.2090	GR * 0.6740E 02					
WEGA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.10000	0.9184	1.1044	0.12633	0.9184	1.11044	0.12755			
5	1.10021	0.91225	1.10840	0.12572	0.9246	1.11241	0.12492	2.11279	2.1657	11.7123
10	1.10365	0.90669	1.10630	0.12507	0.9310	1.11431	0.12449	1.8114	1.8743	3.9626
15	1.10947	0.9018	1.10412	0.12537	0.9379	1.11615	0.12405	1.6529	1.7971	2.0545
20	2.12743	0.89903	1.10188	0.12663	0.9451	1.11792	0.12361	1.5502	1.6533	1.2872
25	1.12735	0.89916	0.19956	0.12684	0.9527	1.11964	0.12320	1.4456	1.6959	0.6885
30	1.13915	0.88869	0.19717	0.12698	0.9609	1.12131	0.12289	1.4173	1.6536	0.6563
35	1.15204	0.88825	0.19671	0.12706	0.9697	1.12293	0.12254	1.3695	1.5208	0.5102
40	1.16860	0.88882	0.19219	0.12708	0.9792	1.12431	0.12237	1.3287	1.4942	0.4140
45	1.18687	0.88741	0.18959	0.12702	0.9895	1.12607	0.12241	1.2926	1.4719	0.3496
50	2.10875	0.88702	0.18692	0.12689	1.0012	1.12762	0.12279	1.2597	1.4523	0.3080
55	2.13678	0.88665	0.18419	0.12669	1.0145	1.12920	0.12383	1.2283	1.4345	0.2861
60	2.17839	0.88630	0.18139	0.12641	1.0307	1.13087	0.12639	1.1969	1.4171	0.2885
65	3.16733	0.88597	0.17853	0.12606	1.0527	1.13282	0.13434	1.1618	1.3978	0.3515
70	1.11809	0.88565	0.17560	0.12562						
75	1.11965	0.88534	0.17261	0.12511						
80	2.12872	0.88506	0.16956	0.12452						
85	1.13715	0.88479	0.16646	0.12386						
90	2.14477	0.88453	0.16330	0.12311						
95	2.15145	0.88429	0.16009	0.12230						
100	1.15703	0.88406	0.15682	0.12141						
105	1.16137	0.88385	0.15351	0.12065						
110	1.16493	0.88365	0.15016	0.11942						
115	1.16876	0.88347	0.14676	0.11832						
120	1.17354	0.88330	0.14332	0.11717						
125	1.18364	0.88315	0.13984	0.11595						
130	1.19666	0.88301	0.13633	0.11468						
135	1.15378	0.88288	0.13279	0.11336						
140	1.14581	0.88277	0.12922	0.11200						
145	1.13567	0.88267	0.12562	0.11059						
150	1.12329	0.88258	0.12200	0.10915						
155	1.10862	0.88251	0.11836	0.10767						
160	0.9162	0.88245	0.11471	0.10617						
165	0.7225	0.88240	0.11104	0.10465						
170	0.5052	0.88237	0.10737	0.10311						
175	0.2643	0.88235	0.10369	0.10156						
180	0.	0.88234	0.	0.						

SAMPA = 0.4000 ALPHA = 13.060 K = 1.800

TIME	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9199	1.0899	0.12491	0.9199	1.0899	0.2712			
5	1.0045	0.9235	1.0896	0.12525	0.9266	1.1093	0.2457	2.0691	2.1059	11.0471
10	1.0428	0.9875	1.0487	0.12553	0.9338	1.1286	0.2422	1.17623	1.8235	9.7407
15	1.1877	0.9917	1.0272	0.12580	0.9413	1.1478	0.2390	1.1688	1.6902	1.9836
20	1.1970	0.9962	1.0049	0.12602	0.9494	1.1649	0.2361	1.15083	1.6086	1.2237
25	1.1997	0.9910	0.9820	0.12619	0.9581	1.1824	0.2338	1.14352	1.5523	0.8508
30	1.1565	0.9860	0.9583	0.12632	0.9675	1.1995	0.2327	1.13777	1.5105	0.6354
35	1.16101	0.9813	0.9340	0.12638	0.9778	1.2163	0.2335	1.13299	1.4775	0.5021
40	1.1884	0.9768	0.9090	0.12638	0.9892	1.2331	0.2374	1.12804	1.4503	0.4175
45	2.0399	0.9725	0.8834	0.12632	1.0023	1.2500	0.2471	1.12307	1.4267	0.3858
50	2.4140	0.9684	0.8571	0.12618	1.0179	1.2678	0.2692	1.12187	1.4049	0.3465
55	3.0565	0.9645	0.8301	0.12598	1.0382	1.2879	0.2880	1.11772	1.3827	0.3753
60	0.19294	0.9608	0.8024	0.12570						
65	1.0336	0.9572	0.7742	0.12535						
70	1.1357	0.9539	0.7453	0.12492						
75	1.1242	0.9507	0.7158	0.12442						
80	1.13236	0.9477	0.6858	0.12385						
85	1.14143	0.9449	0.6551	0.12319						
90	1.14928	0.9422	0.6240	0.12247						
95	1.15615	0.9397	0.5923	0.12169						
100	1.16189	0.9373	0.5601	0.12081						
105	1.16835	0.9351	0.5275	0.11987						
110	1.16938	0.9331	0.4944	0.11887						
115	1.17085	0.9312	0.4609	0.11781						
120	1.17062	0.9294	0.4270	0.11680						
125	2.18855	0.9278	0.3927	0.11550						
130	1.1854	0.9263	0.3581	0.11427						
135	1.18547	0.9250	0.3232	0.11298						
140	1.18025	0.9238	0.2880	0.11168						
145	1.18980	0.9228	0.2525	0.11029						
150	1.1704	0.9219	0.2169	0.10889						
155	1.17192	0.9212	0.1810	0.10745						
160	0.9440	0.9205	0.1450	0.10599						
165	0.18545	0.9201	0.1089	0.10451						
170	0.16208	0.9193	0.0726	0.10302						
175	0.12723	0.9195	0.0363	0.10151						
180	01	0.9194	01	01						

SAMPA = 0.4000 ALPHA = 13.060 K = 2.000

TIME	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9212	1.0878	0.12584	0.9212	1.0878	0.2685			
5	1.0068	0.9243	1.0575	0.12589	0.9285	1.0974	0.2458	2.0184	2.0543	10.4841
10	1.0496	0.9878	1.0367	0.12514	0.9363	1.1166	0.2415	1.17199	1.7795	9.5540
15	1.1228	0.9927	1.0252	0.12535	0.9448	1.1352	0.2396	1.15896	1.6494	1.8617
20	2.12226	0.9899	0.9921	0.12554	0.9536	1.1534	0.2385	1.14717	1.5895	1.1727
25	1.13516	0.9893	0.9703	0.12560	0.9634	1.1713	0.2389	1.13996	1.5140	0.8227
30	1.15128	0.9851	0.9469	0.12578	0.9742	1.1891	0.2415	1.13424	1.4722	0.6230
35	1.17246	0.9801	0.9228	0.12582	0.9863	1.2069	0.2482	1.12941	1.4388	0.5032
40	1.19815	0.9753	0.8981	0.12581	1.0003	1.2252	0.2626	1.12510	1.4108	0.4383
45	2.19811	0.9708	0.8727	0.12573	1.0175	1.2443	0.2743	1.12102	1.3842	0.4095
50	3.12292	0.9668	0.8466	0.12569	1.0411	1.2678	0.2903	1.11669	1.3571	0.4058
55	0.9491	0.9624	0.8199	0.12538						
60	0.9589	0.9585	0.7926	0.12510						
65	1.0639	0.9549	0.7646	0.12475						
70	1.1688	0.9514	0.7361	0.12433						
75	1.1699	0.9481	0.7069	0.12384						
80	1.16657	0.9449	0.6772	0.12327						
85	1.16447	0.9420	0.6470	0.12263						
90	1.15352	0.9392	0.6162	0.12192						
95	1.16057	0.9366	0.5849	0.12114						
100	1.16645	0.9342	0.5531	0.12029						
105	1.17102	0.9319	0.5208	0.11938						
110	1.17413	0.9296	0.4882	0.11840						
115	1.17562	0.9278	0.4551	0.11736						
120	1.17937	0.9260	0.4216	0.11628						
125	1.17323	0.9243	0.3877	0.11511						
130	1.16910	0.9228	0.3536	0.11391						
135	1.16286	0.9214	0.3191	0.11268						
140	1.15441	0.9202	0.2843	0.11136						
145	1.14366	0.9192	0.2493	0.11003						
150	1.13953	0.9182	0.2141	0.10886						
155	1.13501	0.9174	0.1787	0.10727						
160	0.9700	0.9168	0.1432	0.10584						
165	0.17650	0.9163	0.1075	0.10440						
170	0.15949	0.9160	0.0717	0.10294						
175	0.12798	0.9157	0.0359	0.10147						
180	01	0.9157	01	01						

GAMMA=0.4000 ALPHA=13.000 K= 2.20
 DC= 2.4607 XR= 1.09466 BR= 1.29186
 TR=49.1223 CR= 0.85735 QR=35.40986

THETA	ST	X1	B1	S1
0	1.0000	0.9223	1.0675	0.2448
5	1.0089	0.9150	1.0472	0.2466
10	1.0570	0.9080	1.0264	0.2485
15	1.1378	0.9015	1.0049	0.2502
20	1.2515	0.8954	0.9829	0.2516
25	1.4004	0.8896	0.9603	0.2527
30	1.5935	0.8840	0.9370	0.2534
35	1.8542	0.8788	0.9130	0.2536
40	2.2521	0.8738	0.8885	0.2533
45	3.1159	0.8691	0.8633	0.2524
50	0.7631	0.8646	0.8375	0.2509
55	0.8728	0.8604	0.8110	0.2488
60	0.9832	0.8564	0.7839	0.2459
65	1.0929	0.8525	0.7562	0.2424
70	1.2003	0.8489	0.7280	0.2382
75	1.3038	0.8455	0.6991	0.2334
80	1.4019	0.8423	0.6697	0.2278
85	1.4930	0.8392	0.6398	0.2215
90	1.5753	0.8364	0.6093	0.2145
95	1.6474	0.8337	0.5783	0.2068
100	1.7076	0.8311	0.5469	0.1985
105	1.7543	0.8288	0.5150	0.1895
110	1.7860	0.8266	0.4827	0.1800
115	1.8011	0.8246	0.4499	0.1698
120	1.7984	0.8227	0.4168	0.1590
125	1.7764	0.8210	0.3834	0.1478
130	1.7339	0.8194	0.3496	0.1360
135	1.6698	0.8180	0.3155	0.1238
140	1.5831	0.8168	0.2811	0.1111
145	1.4728	0.8157	0.2465	0.0981
150	1.3383	0.8147	0.2117	0.0847
155	1.1790	0.8139	0.1767	0.0710
160	0.9944	0.8133	0.1415	0.0571
165	0.7842	0.8128	0.1063	0.0430
170	0.5483	0.8124	0.0709	0.0288
175	0.2868	0.8122	0.0355	0.0144
180	0.	0.8121	0.	0.

GAMMA=0.4000 ALPHA=13.000 K= 2.60
 DC= 2.5099 XR= 1.09153 BR= 1.26113
 TR=41.2456 CR= 0.71987 QR=26.69420

THETA	ST	X1	B1	S1
0	1.0000	0.9242	1.0509	0.2444
5	1.0139	0.9159	1.0304	0.2445
10	1.0732	0.9082	1.0095	0.2450
15	1.1742	0.9010	0.9880	0.2456
20	1.3205	0.8942	0.9661	0.2462
25	1.5251	0.8879	0.9435	0.2466
30	1.8271	0.8819	0.9204	0.2467
35	2.3716	0.8762	0.8968	0.2465
40	4.7143	0.8709	0.8725	0.2458
45	0.6905	0.8658	0.8476	0.2446
50	0.8030	0.8610	0.8221	0.2429
55	0.9176	0.8565	0.7960	0.2406
60	1.0329	0.8522	0.7694	0.2377
65	1.1473	0.8481	0.7421	0.2341
70	1.2593	0.8443	0.7143	0.2299
75	1.3672	0.8406	0.6859	0.2251
80	1.4694	0.8372	0.6570	0.2196
85	1.5642	0.8340	0.6276	0.2135
90	1.6500	0.8310	0.5977	0.2067
95	1.7249	0.8281	0.5673	0.1992
100	1.7875	0.8255	0.5364	0.1911
105	1.8359	0.8230	0.5051	0.1825
110	1.8686	0.8207	0.4734	0.1732
115	1.8841	0.8186	0.4412	0.1634
120	1.8809	0.8166	0.4087	0.1530
125	1.8576	0.8148	0.3759	0.1421
130	1.8129	0.8132	0.3428	0.1308
135	1.7457	0.8117	0.3093	0.1190
140	1.6548	0.8104	0.2756	0.1068
145	1.5394	0.8093	0.2417	0.0943
150	1.3987	0.8083	0.2075	0.0814
155	1.2321	0.8075	0.1732	0.0683
160	1.0391	0.8068	0.1388	0.0549
165	0.8194	0.8062	0.1042	0.0413
170	0.5729	0.8059	0.0695	0.0276
175	0.2997	0.8056	0.0348	0.0138
180	0.	0.8056	0.	0.

GAMMA=0.4000 ALPHA=13.000 K= 3.00
 DC= 2.5523 XR= 1.08924 BR= 1.23804
 TR=35.5772 CR= 0.62094 QR=21.38314

THETA	ST	X1	B1	S1
0	1.0000	0.9256	1.0381	0.2464
5	1.0193	0.9165	1.0173	0.2445
10	1.0921	0.9080	0.9961	0.2435
15	1.2176	0.9002	0.9746	0.2430
20	1.4088	0.8929	0.9526	0.2427
25	1.7068	0.8860	0.9301	0.2423
30	2.2811	0.8796	0.9071	0.2419
35	0.5016	0.8736	0.8836	0.2412
40	0.6101	0.8679	0.8595	0.2401
45	0.7236	0.8625	0.8348	0.2386
50	0.8405	0.8575	0.8096	0.2367
55	0.9595	0.8527	0.7838	0.2342
60	1.0791	0.8481	0.7574	0.2312
65	1.1978	0.8439	0.7305	0.2275
70	1.3139	0.8399	0.7031	0.2233
75	1.4257	0.8361	0.6751	0.2185
80	1.5315	0.8325	0.6466	0.2131
85	1.6297	0.8291	0.6176	0.2070
90	1.7183	0.8260	0.5881	0.2004
95	1.7958	0.8230	0.5581	0.1931
100	1.8603	0.8203	0.5277	0.1852
105	1.9102	0.8177	0.4969	0.1767
110	1.9438	0.8153	0.4657	0.1677
115	1.9595	0.8131	0.4340	0.1582
120	1.9558	0.8111	0.4021	0.1481
125	1.9312	0.8092	0.3697	0.1376
130	1.8845	0.8075	0.3371	0.1266
135	1.8144	0.8060	0.3042	0.1152
140	1.7197	0.8046	0.2711	0.1034
145	1.5997	0.8034	0.2377	0.0912
150	1.4534	0.8024	0.2041	0.0788
155	1.2802	0.8015	0.1704	0.0660
160	1.0796	0.8008	0.1365	0.0531
165	0.8513	0.8003	0.1024	0.0400
170	0.5952	0.7999	0.0683	0.0267
175	0.3113	0.7997	0.0342	0.0134
180	0.	0.7996	0.	0.

GAMMA=0.4000 ALPHA=13.000 K= 4.00
 DC= 2.6384 XR= 1.08555 BR= 1.19945
 TR=26.5211 CR= 0.46288 QR=14.25460

THETA	ST	X1	B1	S1
0	1.0000	0.9283	1.0161	0.2576
5	1.0349	0.9170	0.9941	0.2498
10	1.1508	0.9068	0.9721	0.2446
15	1.3676	0.8976	0.9501	0.2410
20	1.7920	0.8891	0.9278	0.2383
25	3.4849	0.8812	0.9053	0.2362
30	0.4466	0.8739	0.8823	0.2343
35	0.5582	0.8671	0.8589	0.2324
40	0.6762	0.8608	0.8350	0.2304
45	0.7991	0.8548	0.8107	0.2282
50	0.9256	0.8492	0.7859	0.2257
55	1.0540	0.8439	0.7606	0.2228
60	1.1829	0.8390	0.7348	0.2194
65	1.3156	0.8343	0.7085	0.2156
70	1.4353	0.8299	0.6817	0.2113
75	1.5553	0.8258	0.6544	0.2064
80	1.6688	0.8219	0.6266	0.2011
85	1.7738	0.8183	0.5984	0.1951
90	1.8685	0.8149	0.5697	0.1887
95	1.9511	0.8117	0.5406	0.1817
100	2.0197	0.8087	0.5111	0.1741
105	2.0725	0.8060	0.4811	0.1661
110	2.1076	0.8034	0.4508	0.1575
115	2.1235	0.8010	0.4202	0.1485
120	2.1185	0.7989	0.3892	0.1389
125	2.0910	0.7969	0.3578	0.1290
130	2.0397	0.7951	0.3263	0.1186
135	1.9631	0.7935	0.2944	0.1079
140	1.8602	0.7920	0.2623	0.0968
145	1.7299	0.7907	0.2300	0.0854
150	1.5713	0.7897	0.1975	0.0737
155	1.3838	0.7887	0.1648	0.0618
160	1.1668	0.7880	0.1320	0.0497
165	0.9200	0.7874	0.0991	0.0374
170	0.6432	0.7870	0.0661	0.0250
175	0.3364	0.7867	0.0331	0.0125
180	0.	0.7866	0.	0.

GAMMA=0.4000 ALPHA=13.000 K= 6.00

DC= 2.7632 XR= 1.08186 BR= 1.15942
TR=17.6083 CR= 0.30732 QR= 8.54774

THETA	ST	X1	B1	S1
0	1.0000	0.9312	0.9923	0.2922
5	1.0758	0.9160	0.9674	0.2690
10	1.3374	0.9030	0.9435	0.2544
15	2.1865	0.8915	0.9202	0.2444
20	0.3014	0.8811	0.8971	0.2372
25	0.4115	0.8718	0.8740	0.2317
30	0.5305	0.8632	0.8508	0.2273
35	0.6571	0.8553	0.8273	0.2234
40	0.7901	0.8480	0.8036	0.2198
45	0.9279	0.8412	0.7796	0.2164
50	1.0691	0.8349	0.7552	0.2129
55	1.2121	0.8290	0.7304	0.2092
60	1.3553	0.8234	0.7052	0.2053
65	1.4967	0.8183	0.6796	0.2010
70	1.6345	0.8134	0.6535	0.1965
75	1.7687	0.8089	0.6271	0.1915
80	1.8915	0.8046	0.6003	0.1861
85	2.0067	0.8006	0.5730	0.1803
90	2.1103	0.7969	0.5454	0.1740
95	2.2022	0.7935	0.5173	0.1673
100	2.2745	0.7902	0.4889	0.1601
105	2.3311	0.7872	0.4602	0.1525
110	2.3682	0.7845	0.4311	0.1445
115	2.3837	0.7819	0.4017	0.1361
120	2.3760	0.7796	0.3720	0.1272
125	2.3434	0.7774	0.3420	0.1180
130	2.2843	0.7755	0.3117	0.1085
135	2.1973	0.7738	0.2813	0.0986
140	2.0810	0.7722	0.2506	0.0884
145	1.9343	0.7708	0.2197	0.0780
150	1.7564	0.7697	0.1886	0.0673
155	1.5463	0.7687	0.1574	0.0564
160	1.3035	0.7679	0.1261	0.0453
165	1.0275	0.7672	0.0946	0.0341
170	0.7183	0.7668	0.0631	0.0228
175	0.3757	0.7665	0.0316	0.0114
180	0.	0.7664	0.	0.

GAMMA=0.4000 ALPHA=13.000 K= 8.00

DC= 2.8553 XR= 1.08001 BR= 1.13883
TR=13.1889 CR= 0.23019 QR= 6.10618

THETA	ST	X1	B1	S1
0	1.0000	0.9328	0.9797	0.3334
5	1.1322	0.9140	0.9516	0.2909
10	1.7349	0.8985	0.9258	0.2661
15	0.2383	0.8852	0.9012	0.2501
20	0.3564	0.8736	0.8773	0.2388
25	0.4726	0.8631	0.8536	0.2305
30	0.6035	0.8537	0.8301	0.2239
35	0.7419	0.8450	0.8065	0.2184
40	0.8866	0.8371	0.7828	0.2137
45	1.0360	0.8297	0.7589	0.2092
50	1.1887	0.8229	0.7347	0.2050
55	1.3430	0.8166	0.7102	0.2007
60	1.4969	0.8107	0.6853	0.1964
65	1.6488	0.8052	0.6602	0.1918
70	1.7964	0.8001	0.6346	0.1870
75	1.9379	0.7953	0.6087	0.1819
80	2.0711	0.7908	0.5825	0.1765
85	2.1938	0.7866	0.5559	0.1707
90	2.3038	0.7827	0.5289	0.1645
95	2.3990	0.7790	0.5016	0.1579
100	2.4773	0.7757	0.4739	0.1510
105	2.5364	0.7725	0.4460	0.1437
110	2.5744	0.7696	0.4177	0.1360
115	2.5893	0.7670	0.3891	0.1280
120	2.5791	0.7645	0.3603	0.1196
125	2.5421	0.7623	0.3312	0.1109
130	2.4766	0.7603	0.3019	0.1019
135	2.3810	0.7585	0.2723	0.0925
140	2.2540	0.7568	0.2426	0.0830
145	2.0944	0.7554	0.2126	0.0731
150	1.9011	0.7542	0.1826	0.0631
155	1.6732	0.7532	0.1523	0.0529
160	1.4102	0.7523	0.1220	0.0425
165	1.1114	0.7517	0.0916	0.0320
170	0.7768	0.7512	0.0611	0.0214
175	0.4063	0.7510	0.0306	0.0107
180	0.	0.7509	0.	0.

GAMMA=0.4000 ALPHA=13.000 K= 10.00

DC= 2.9293 XR= 1.07891 BR= 1.12627
TR=10.5453 CR= 0.18405 QR= 4.75072

THETA	ST	X1	B1	S1
0	1.0000	0.9339	0.9718	0.3774
5	1.2094	0.9116	0.9407	0.3122
10	0.1608	0.8940	0.9131	0.2773
15	0.2723	0.8793	0.8874	0.2555
20	0.3949	0.8666	0.8627	0.2408
25	0.5273	0.8553	0.8385	0.2300
30	0.6682	0.8452	0.8147	0.2218
35	0.8165	0.8360	0.7910	0.2150
40	0.9709	0.8276	0.7672	0.2093
45	1.1300	0.8198	0.7433	0.2041
50	1.2921	0.8127	0.7193	0.1993
55	1.4554	0.8061	0.6950	0.1946
60	1.6183	0.7999	0.6704	0.1899
65	1.7786	0.7942	0.6455	0.1851
70	1.9343	0.7889	0.6204	0.1801
75	2.0831	0.7839	0.5949	0.1749
80	2.2230	0.7792	0.5691	0.1694
85	2.3517	0.7749	0.5429	0.1636
90	2.4668	0.7709	0.5165	0.1575
95	2.5661	0.7671	0.4897	0.1511
100	2.6473	0.7636	0.4626	0.1443
105	2.7083	0.7604	0.4352	0.1373
110	2.7468	0.7574	0.4076	0.1298
115	2.7608	0.7547	0.3796	0.1221
120	2.7483	0.7522	0.3515	0.1140
125	2.7074	0.7499	0.3230	0.1056
130	2.6363	0.7478	0.2944	0.0970
135	2.5335	0.7459	0.2656	0.0881
140	2.3975	0.7443	0.2365	0.0789
145	2.2270	0.7428	0.2073	0.0695
150	2.0209	0.7418	0.1780	0.0600
155	1.7783	0.7405	0.1485	0.0502
160	1.4985	0.7396	0.1189	0.0404
165	1.1809	0.7390	0.0893	0.0304
170	0.8253	0.7385	0.0596	0.0203
175	0.4316	0.7382	0.0298	0.0102
180	0.	0.7381	0.	0.

GAMMA=0.4000 ALPHA=13.000 K= 20.00

DC= 3.1781 XR= 1.07668 BR= 1.10069
TR= 4.2697 CR= 0.07452 QR= 2.25337

THETA	ST	X1	B1	S1
0	1.0000	0.9359	0.9554	0.6064
5	0.1155	0.8992	0.9104	0.3984
10	0.2601	0.8741	0.8759	0.3171
15	0.4127	0.8548	0.8462	0.2739
20	0.5732	0.8388	0.8189	0.2471
25	0.7416	0.8252	0.7932	0.2287
30	0.9174	0.8132	0.7685	0.2153
35	1.1000	0.8025	0.7443	0.2048
40	1.2880	0.7929	0.7204	0.1963
45	1.4799	0.7842	0.6967	0.1890
50	1.6741	0.7762	0.6730	0.1826
55	1.8686	0.7688	0.6493	0.1766
60	2.0613	0.7620	0.6255	0.1710
65	2.2458	0.7557	0.6016	0.1655
70	2.4319	0.7499	0.5775	0.1601
75	2.6051	0.7445	0.5532	0.1546
80	2.7667	0.7394	0.5287	0.1491
85	2.9143	0.7348	0.5039	0.1434
90	3.0452	0.7304	0.4790	0.1375
95	3.1568	0.7264	0.4538	0.1315
100	3.2466	0.7227	0.4284	0.1252
105	3.3121	0.7192	0.4028	0.1187
110	3.3507	0.7160	0.3770	0.1120
115	3.3601	0.7131	0.3510	0.1050
120	3.3380	0.7104	0.3248	0.0979
125	3.2822	0.7080	0.2984	0.0906
130	3.1909	0.7058	0.2718	0.0830
135	3.0620	0.7038	0.2451	0.0753
140	2.8939	0.7021	0.2183	0.0674
145	2.6851	0.7005	0.1913	0.0593
150	2.4343	0.6992	0.1642	0.0511
155	2.1403	0.6981	0.1369	0.0428
160	1.8023	0.6972	0.1097	0.0343
165	1.4196	0.6965	0.0823	0.0258
170	0.9918	0.6960	0.0549	0.0173
175	0.5186	0.6957	0.0275	0.0086
180	0.	0.6956	0.	0.

GAMMA = 0.4000 ALPHA = 14.000 K = 0.200										
DC = 1.7447 XO = 1.6198 BO = 2.219052 V2 = -0.3379E 01										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8962	1.5311	0.5183	0.8962	1.5311	0.5557			
5	0.9905	0.8949	1.5011	0.5232	0.8975	1.5602	0.5498	3.4816	3.5445	32.4327
10	1.0061	0.8937	1.4703	0.5273	0.8988	1.5884	0.5434	2.9464	3.0507	10.9621
15	1.0379	0.8924	1.4385	0.5303	0.9001	1.6158	0.5363	2.6769	2.8163	5.6902
20	1.0826	0.8912	1.4059	0.5324	0.9014	1.6422	0.5287	2.5041	2.6744	3.5166
25	1.1380	0.8900	1.3724	0.5333	0.9027	1.6679	0.5206	2.3798	2.5781	2.3890
30	1.2023	0.8888	1.3381	0.5332	0.9040	1.6926	0.5121	2.2845	2.5085	1.7219
35	1.2741	0.8876	1.3029	0.5319	0.9053	1.7166	0.5033	2.2083	2.4560	1.2921
40	1.3522	0.8865	1.2669	0.5294	0.9066	1.7397	0.4941	2.1457	2.4153	0.9981
45	1.4353	0.8854	1.2300	0.5256	0.9078	1.7619	0.4846	2.0930	2.3831	0.7880
50	1.5222	0.8843	1.1923	0.5207	0.9091	1.7834	0.4750	2.0479	2.3571	0.6326
55	1.6118	0.8832	1.1538	0.5144	0.9104	1.8040	0.4653	2.0089	2.3358	0.5148
60	1.7029	0.8822	1.1145	0.5069	0.9116	1.8239	0.4554	1.9747	2.3183	0.4234
65	1.7945	0.8812	1.0744	0.4981	0.9129	1.8430	0.4456	1.9445	2.3038	0.3514
70	1.8854	0.8802	1.0336	0.4880	0.9141	1.8614	0.4358	1.9177	2.2916	0.2937
75	1.9747	0.8792	0.9920	0.4766	0.9153	1.8790	0.4261	1.8936	2.2813	0.2471
80	2.0612	0.8783	0.9497	0.4639	0.9165	1.8959	0.4165	1.8720	2.2726	0.2090
85	2.1440	0.8775	0.9067	0.4499	0.9177	1.9121	0.4071	1.8525	2.2652	0.1776
90	2.2221	0.8766	0.8631	0.4347	0.9189	1.9276	0.3980	1.8348	2.2589	0.1516
95	2.2945	0.8758	0.8188	0.4183	0.9200	1.9425	0.3891	1.8186	2.2535	0.1298
100	2.3605	0.8751	0.7740	0.4006	0.9211	1.9567	0.3805	1.8039	2.2489	0.1116
105	2.4191	0.8744	0.7285	0.3818	0.9222	1.9703	0.3723	1.7905	2.2450	0.0962
110	2.4697	0.8737	0.6825	0.3619	0.9233	1.9833	0.3645	1.7781	2.2415	0.0833
115	2.5114	0.8731	0.6360	0.3409	0.9243	1.9957	0.3570	1.7668	2.2386	0.0723
120	2.5438	0.8725	0.5890	0.3188	0.9254	2.0075	0.3501	1.7564	2.2360	0.0630
125	2.5663	0.8719	0.5415	0.2958	0.9264	2.0188	0.3435	1.7468	2.2338	0.0551
130	2.5784	0.8714	0.4937	0.2719	0.9273	2.0295	0.3375	1.7379	2.2319	0.0484
135	2.5798	0.8710	0.4454	0.2472	0.9283	2.0398	0.3320	1.7297	2.2302	0.0428
140	2.5702	0.8706	0.3968	0.2217	0.9292	2.0495	0.3270	1.7221	2.2288	0.0381
145	2.5496	0.8702	0.3479	0.1956	0.9300	2.0588	0.3226	1.7151	2.2276	0.0341
150	2.5179	0.8699	0.2987	0.1688	0.9309	2.0676	0.3187	1.7086	2.2265	0.0309
155	2.4751	0.8696	0.2493	0.1415	0.9317	2.0760	0.3154	1.7025	2.2255	0.0282
160	2.4217	0.8694	0.1996	0.1137	0.9325	2.0840	0.3127	1.6969	2.2247	0.0261
165	2.3578	0.8693	0.1499	0.0856	0.9333	2.0915	0.3106	1.6917	2.2240	0.0246
170	2.2841	0.8691	0.1000	0.0572	0.9340	2.0987	0.3090	1.6869	2.2233	0.0235
175	2.2011	0.8691	0.0500	0.0287	0.9347	2.1055	0.3081	1.6824	2.2228	0.0228
180	2.1098	0.8690	0.	0.	0.9354	2.1120	0.3078	1.6782	2.2223	0.0226

GAMMA = 0.4000 ALPHA = 14.000 K = 0.400										
DC = 1.9447 XO = 1.3772 BO = 1.888151 V2 = -0.4120E 01										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9037	1.3539	0.3884	0.9037	1.3539	0.4115			
5	0.9923	0.9017	1.3284	0.3940	0.9058	1.3785	0.4054	2.9405	2.9934	22.9368
10	1.0107	0.8996	1.3021	0.3987	0.9079	1.4023	0.3987	2.4925	2.5803	7.7498
15	1.0459	0.8976	1.2750	0.4028	0.9100	1.4252	0.3915	2.2675	2.3847	4.0204
20	1.0945	0.8957	1.2470	0.4059	0.9122	1.4473	0.3838	2.1229	2.2663	2.4827
25	1.1541	0.8938	1.2182	0.4082	0.9144	1.4686	0.3758	2.0191	2.1861	1.6851
30	1.2230	0.8919	1.1885	0.4096	0.9166	1.4891	0.3675	1.9396	2.1283	1.2133
35	1.2997	0.8901	1.1580	0.4100	0.9188	1.5088	0.3589	1.8762	2.0847	0.9096
40	1.3826	0.8883	1.1267	0.4095	0.9210	1.5278	0.3502	1.8240	2.0510	0.7019
45	1.4705	0.8866	1.0946	0.4079	0.9232	1.5459	0.3412	1.7801	2.0243	0.5537
50	1.5622	0.8849	1.0617	0.4052	0.9254	1.5633	0.3322	1.7426	2.0028	0.4442
55	1.6562	0.8832	1.0280	0.4015	0.9276	1.5800	0.3231	1.7101	1.9853	0.3612
60	1.7513	0.8816	0.9935	0.3967	0.9298	1.5959	0.3141	1.6816	1.9708	0.2970
65	1.8464	0.8801	0.9583	0.3908	0.9320	1.6112	0.3050	1.6565	1.9588	0.2464
70	1.9400	0.8786	0.9223	0.3838	0.9342	1.6257	0.2961	1.6341	1.9488	0.2060
75	2.0311	0.8772	0.8857	0.3757	0.9364	1.6396	0.2872	1.6141	1.9403	0.1734
80	2.1187	0.8758	0.8483	0.3664	0.9386	1.6528	0.2787	1.5961	1.9332	0.1467
85	2.2014	0.8745	0.8103	0.3561	0.9408	1.6654	0.2703	1.5798	1.9271	0.1248
90	2.2782	0.8733	0.7716	0.3447	0.9429	1.6775	0.2622	1.5650	1.9219	0.1067
95	2.3480	0.8721	0.7323	0.3322	0.9450	1.6889	0.2544	1.5515	1.9174	0.0915
100	2.4098	0.8710	0.6924	0.3187	0.9471	1.6997	0.2469	1.5391	1.9136	0.0788
105	2.4627	0.8700	0.6520	0.3042	0.9492	1.7101	0.2398	1.5278	1.9103	0.0681
110	2.5057	0.8690	0.6110	0.2887	0.9512	1.7199	0.2330	1.5175	1.9074	0.0591
115	2.5382	0.8680	0.5695	0.2723	0.9532	1.7292	0.2266	1.5079	1.9050	0.0515
120	2.5593	0.8672	0.5276	0.2550	0.9552	1.7380	0.2206	1.4991	1.9029	0.0451
125	2.5685	0.8664	0.4852	0.2368	0.9572	1.7464	0.2151	1.4909	1.9010	0.0396
130	2.5653	0.8657	0.4424	0.2179	0.9591	1.7543	0.2099	1.4834	1.8994	0.0350
135	2.5492	0.8650	0.3992	0.1983	0.9610	1.7618	0.2053	1.4764	1.8980	0.0310
140	2.5200	0.8644	0.3557	0.1780	0.9628	1.7689	0.2011	1.4699	1.8968	0.0278
145	2.4774	0.8639	0.3119	0.1571	0.9646	1.7756	0.1974	1.4639	1.8957	0.0250
150	2.4216	0.8634	0.2679	0.1356	0.9663	1.7820	0.1941	1.4583	1.8948	0.0228
155	2.3526	0.8631	0.2236	0.1137	0.9680	1.7880	0.1914	1.4531	1.8940	0.0209
160	2.2706	0.8627	0.1791	0.0915	0.9697	1.7936	0.1891	1.4483	1.8933	0.0195
165	2.1763	0.8625	0.1345	0.0689	0.9713	1.7990	0.1874	1.4437	1.8926	0.0184
170	2.0700	0.8623	0.0897	0.0460	0.9729	1.8041	0.1861	1.4395	1.8921	0.0176
175	1.9525	0.8622	0.0449	0.0231	0.9745	1.8089	0.1853	1.4356	1.8916	0.0171
180	1.8249	0.8622	0.	0.	0.9760	1.8134	0.1851	1.4319	1.8912	0.0170

GAMMA = 0.4000

ALPHA = 14.000

K = 0.600

DC = 2.0614

XR = 1.1702

BR = 1.711948

TR = 166.83

CR = 9.1950

QR = 0.4492E 07

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9088	1.2671	0.3315	0.9088	1.2671	0.3436			
5	0.9937	0.9061	1.2438	0.3372	0.9116	1.2895	0.3373	2.6658	2.7136	18.7334
10	1.0141	0.9034	1.2198	0.3423	0.9145	1.3111	0.3305	2.2623	2.3417	6.3294
15	1.0517	0.9008	1.1949	0.3467	0.9174	1.3319	0.3233	2.0593	2.1655	3.2830
20	1.1031	0.8982	1.1691	0.3503	0.9203	1.3518	0.3156	1.9297	2.0594	2.0271
25	1.1660	0.8957	1.1426	0.3531	0.9233	1.3710	0.3077	1.8363	1.9874	1.3759
30	1.2383	0.8933	1.1152	0.3551	0.9263	1.3894	0.2994	1.7648	1.9350	0.9910
35	1.3187	0.8910	1.0870	0.3563	0.9294	1.4070	0.2909	1.7177	1.8964	0.7434
40	1.4055	0.8887	1.0580	0.3565	0.9325	1.4238	0.2823	1.6607	1.8662	0.5744
45	1.4974	0.8864	1.0282	0.3558	0.9356	1.4399	0.2735	1.6212	1.8422	0.4539
50	1.5929	0.8843	0.9976	0.3541	0.9388	1.4553	0.2647	1.5874	1.8229	0.3650
55	1.6907	0.8822	0.9662	0.3514	0.9420	1.4699	0.2559	1.5580	1.8071	0.2978
60	1.7893	0.8802	0.9341	0.3477	0.9452	1.4838	0.2471	1.5322	1.7940	0.2458
65	1.8873	0.8782	0.9013	0.3431	0.9485	1.4971	0.2383	1.5093	1.7831	0.2050
70	1.9835	0.8764	0.8677	0.3374	0.9517	1.5097	0.2297	1.4889	1.7740	0.1724
75	2.0765	0.8746	0.8334	0.3306	0.9550	1.5217	0.2213	1.4706	1.7663	0.1461
80	2.1649	0.8729	0.7985	0.3229	0.9583	1.5330	0.2130	1.4540	1.7597	0.1247
85	2.2476	0.8713	0.7628	0.3141	0.9616	1.5438	0.2050	1.4389	1.7540	0.1071
90	2.3233	0.8697	0.7266	0.3044	0.9649	1.5539	0.1973	1.4252	1.7492	0.0925
95	2.3909	0.8683	0.6897	0.2936	0.9682	1.5635	0.1898	1.4126	1.7450	0.0804
100	2.4493	0.8669	0.6523	0.2819	0.9715	1.5726	0.1827	1.4009	1.7414	0.0702
105	2.4973	0.8656	0.6143	0.2693	0.9748	1.5812	0.1759	1.3902	1.7382	0.0616
110	2.5342	0.8644	0.5758	0.2558	0.9780	1.5893	0.1695	1.3803	1.7355	0.0544
115	2.5590	0.8632	0.5368	0.2414	0.9813	1.5969	0.1635	1.3711	1.7331	0.0482
120	2.5710	0.8622	0.4973	0.2262	0.9846	1.6041	0.1578	1.3625	1.7309	0.0430
125	2.5695	0.8612	0.4574	0.2102	0.9878	1.6109	0.1526	1.3545	1.7291	0.0386
130	2.5540	0.8603	0.4171	0.1935	0.9911	1.6172	0.1478	1.3470	1.7274	0.0349
135	2.5241	0.8595	0.3765	0.1761	0.9943	1.6232	0.1434	1.3400	1.7260	0.0318
140	2.4796	0.8588	0.3355	0.1582	0.9975	1.6288	0.1395	1.3335	1.7247	0.0291
145	2.4204	0.8581	0.2942	0.1396	1.0007	1.6341	0.1361	1.3273	1.7235	0.0270
150	2.3468	0.8576	0.2527	0.1206	1.0038	1.6390	0.1331	1.3215	1.7225	0.0252
155	2.2592	0.8571	0.2109	0.1012	1.0069	1.6437	0.1306	1.3160	1.7216	0.0238
160	2.1598	0.8567	0.1689	0.0814	1.0100	1.6480	0.1288	1.3108	1.7208	0.0229
165	2.0167	0.8564	0.1268	0.0613	1.0131	1.6521	0.1254	1.3059	1.7200	0.0211
170	1.8848	0.8562	0.0846	0.0410	1.0161	1.6559	0.1243	1.3012	1.7194	0.0204
175	1.7404	0.8561	0.0423	0.0205	1.0191	1.6595	0.1236	1.2968	1.7188	0.0201
180	1.5846	0.8561	0.	0.	1.0221	1.6628	0.1233	1.2927	1.7182	0.0199

GAMMA = 0.4000

ALPHA = 14.000

K = 0.800

DC = 2.1433

XR = 1.1296

BR = 1.585040

TR = 178.78

CR = 3.1629

QR = 0.1754E 04

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9127	1.2129	0.2989	0.9127	1.2129	0.2989			
5	0.9947	0.9093	1.1910	0.3047	0.9161	1.2340	0.2926	2.4875	2.5321	16.2270
10	1.0163	0.9061	1.1683	0.3098	0.9197	1.2543	0.2858	2.1127	2.1866	5.4819
15	1.0555	0.9029	1.1447	0.3143	0.9233	1.2738	0.2786	1.9250	2.0238	2.8427
20	1.1087	0.8998	1.1203	0.3181	0.9270	1.2925	0.2709	1.8043	1.9252	1.7549
25	1.1737	0.8968	1.0952	0.3211	0.9308	1.3104	0.2630	1.7177	1.8585	1.1914
30	1.2485	0.8939	1.0692	0.3234	0.9346	1.3275	0.2547	1.6513	1.8103	0.8587
35	1.3316	0.8910	1.0424	0.3249	0.9386	1.3439	0.2462	1.5982	1.7741	0.6450
40	1.4212	0.8883	1.0148	0.3255	0.9426	1.3595	0.2375	1.5544	1.7459	0.4993
45	1.5159	0.8857	0.9864	0.3252	0.9467	1.3744	0.2287	1.5175	1.7235	0.3957
50	1.6140	0.8831	0.9572	0.3240	0.9509	1.3885	0.2198	1.4857	1.7054	0.3194
55	1.7140	0.8807	0.9273	0.3219	0.9551	1.4020	0.2109	1.4580	1.6906	0.2618
60	1.8143	0.8783	0.8967	0.3188	0.9594	1.4148	0.2020	1.4336	1.6782	0.2174
65	1.9135	0.8761	0.8653	0.3148	0.9639	1.4269	0.1931	1.4118	1.6678	0.1825
70	2.0098	0.8739	0.8332	0.3098	0.9683	1.4384	0.1843	1.3923	1.6590	0.1548
75	2.1020	0.8718	0.8004	0.3039	0.9729	1.4493	0.1757	1.3745	1.6514	0.1324
80	2.1885	0.8698	0.7669	0.2969	0.9775	1.4596	0.1672	1.3583	1.6449	0.1142
85	2.2678	0.8680	0.7328	0.2891	0.9823	1.4693	0.1589	1.3434	1.6393	0.0993
90	2.3387	0.8662	0.6981	0.2803	0.9871	1.4785	0.1508	1.3296	1.6343	0.0869
95	2.3997	0.8645	0.6628	0.2705	0.9919	1.4871	0.1430	1.3168	1.6299	0.0766
100	2.4498	0.8629	0.6268	0.2599	0.9969	1.4953	0.1354	1.3048	1.6261	0.0680
105	2.4876	0.8614	0.5904	0.2483	1.0020	1.5029	0.1281	1.2936	1.6226	0.0607
110	2.5122	0.8600	0.5534	0.2360	1.0072	1.5102	0.1211	1.2830	1.6195	0.0547
115	2.5225	0.8587	0.5160	0.2228	1.0124	1.5169	0.1145	1.2729	1.6167	0.0495
120	2.5179	0.8575	0.4781	0.2088	1.0178	1.5233	0.1082	1.2633	1.6142	0.0452
125	2.4977	0.8564	0.4398	0.1941	1.0234	1.5293	0.1022	1.2540	1.6118	0.0416
130	2.4614	0.8554	0.4011	0.1788	1.0290	1.5350	0.0966	1.2451	1.6096	0.0387
135	2.4090	0.8545	0.3620	0.1628	1.0349	1.5403	0.0914	1.2364	1.6076	0.0363
140	2.3406	0.8536	0.3226	0.1462	1.0409	1.5454	0.0866	1.2279	1.6057	0.0344
145	2.2572	0.8529	0.2829	0.1291	1.0472	1.5501	0.0824	1.2195	1.6039	0.0330
150	2.1604	0.8523	0.2430	0.1115	1.0538	1.5546	0.0786	1.2111	1.6021	0.0322
155	2.0535	0.8517	0.2028	0.0936	1.0608	1.5590	0.0756	1.2026	1.6003	0.0321
160	1.9431	0.8513	0.1625	0.0753	1.0683	1.5631	0.0735	1.1938	1.5986	0.0328
165	1.8424	0.8510	0.1220	0.0567	1.0766	1.5672	0.0728	1.1846	1.5967	0.0349
170	1.7850	0.8507	0.0814	0.0379	1.0859	1.5713	0.0748	1.1744	1.5947	0.0396
175	1.8892	0.8506	0.0407	0.0190	1.0974	1.5756	0.0840	1.1623	1.5923	0.0513
180	0.	0.8505	0.	0.						

GAMMA = 0.4000 ALPHA = 14.000 K = 1.000										
DC = 2.2063 XR = 1.1152 BR = 1.499656 TR = 127.10 CR = 2.2183 QR = 0.4047E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9157	1.1751	0.2781	0.9157	1.1751	0.2781			
5	0.9965	0.9118	1.1541	0.2837	0.9198	1.1954	0.2720	2.3579	2.4001	14.5187
10	1.0207	0.9080	1.1322	0.2888	0.9240	1.2149	0.2654	2.0041	2.0742	4.9050
15	1.0633	0.9043	1.1096	0.2932	0.9283	1.2335	0.2585	1.8271	1.9206	2.5440
20	1.1210	0.9007	1.0861	0.2970	0.9327	1.2514	0.2511	1.7133	1.8277	1.5716
25	1.1914	0.8972	1.0618	0.3001	0.9373	1.2686	0.2435	1.6314	1.7647	1.0684
30	1.2728	0.8939	1.0368	0.3025	0.9420	1.2849	0.2357	1.5686	1.7192	0.7719
35	1.3633	0.8907	1.0109	0.3041	0.9468	1.3006	0.2277	1.5182	1.6848	0.5819
40	1.4615	0.8876	0.9843	0.3048	0.9518	1.3155	0.2195	1.4765	1.6580	0.4527
45	1.5657	0.8846	0.9569	0.3048	0.9570	1.3297	0.2113	1.4412	1.6366	0.3611
50	1.6743	0.8817	0.9287	0.3039	0.9623	1.3432	0.2031	1.4106	1.6191	0.2940
55	1.7858	0.8789	0.8998	0.3020	0.9677	1.3561	0.1950	1.3837	1.6047	0.2435
60	1.8988	0.8763	0.8701	0.2993	0.9734	1.3683	0.1869	1.3598	1.5925	0.2048
65	2.0120	0.8738	0.8397	0.2957	0.9792	1.3800	0.1790	1.3382	1.5821	0.1747
70	2.1241	0.8713	0.8086	0.2912	0.9852	1.3910	0.1713	1.3186	1.5731	0.1509
75	2.2342	0.8690	0.7769	0.2857	0.9915	1.4015	0.1639	1.3004	1.5652	0.1321
80	2.3413	0.8668	0.7445	0.2793	0.9981	1.4114	0.1569	1.2836	1.5583	0.1172
85	2.4451	0.8647	0.7114	0.2720	1.0049	1.4209	0.1504	1.2677	1.5521	0.1053
90	2.5459	0.8627	0.6777	0.2638	1.0121	1.4299	0.1444	1.2527	1.5464	0.0961
95	2.6447	0.8609	0.6435	0.2547	1.0197	1.4385	0.1392	1.2382	1.5412	0.0892
100	2.7446	0.8591	0.6087	0.2448	1.0278	1.4468	0.1349	1.2240	1.5362	0.0845
105	2.8518	0.8574	0.5733	0.2340	1.0366	1.4548	0.1321	1.2100	1.5315	0.0822
110	2.9807	0.8559	0.5375	0.2224	1.0463	1.4627	0.1317	1.1957	1.5268	0.0829
115	3.1660	0.8545	0.5011	0.2100	1.0574	1.4706	0.1357	1.1805	1.5219	0.0885
120	3.5257	0.8531	0.4643	0.1969	1.0710	1.4790	0.1510	1.1635	1.5165	0.1058
125	4.9445	0.8519	0.4271	0.1831	1.0912	1.4895	0.2292	1.1403	1.5087	0.1862
130	1.4774	0.8508	0.3895	0.1686						
135	1.4237	0.8498	0.3516	0.1535						
140	1.3506	0.8489	0.3133	0.1379						
145	1.2572	0.8481	0.2748	0.1218						
150	1.1429	0.8474	0.2360	0.1052						
155	1.0072	0.8468	0.1970	0.0883						
160	0.8497	0.8463	0.1578	0.0710						
165	0.6702	0.8460	0.1185	0.0535						
170	0.4687	0.8457	0.0791	0.0358						
175	0.2452	0.8456	0.0395	0.0179						
180	0.	0.8455	0.	0.						

GAMMA = 0.4000 ALPHA = 14.000 K = 1.200										
DC = 2.2574 XR = 1.1068 BR = 1.438721 TR = 99.95 CR = 1.7445 QR = 0.1899E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9182	1.1470	0.2641	0.9182	1.1470	0.2641			
5	0.9983	0.9137	1.1265	0.2695	0.9228	1.1667	0.2583	2.2574	2.2977	13.2581
10	1.0253	0.9094	1.1053	0.2743	0.9276	1.1857	0.2521	1.9202	1.9872	4.4797
15	1.0719	0.9052	1.0832	0.2786	0.9326	1.2038	0.2456	1.7514	1.8408	2.3247
20	1.1348	0.9012	1.0604	0.2823	0.9378	1.2213	0.2387	1.6426	1.7520	1.4380
25	1.2120	0.8973	1.0367	0.2853	0.9432	1.2380	0.2317	1.5644	1.6919	0.9800
30	1.3015	0.8936	1.0123	0.2876	0.9487	1.2539	0.2245	1.5041	1.6483	0.7108
35	1.4019	0.8900	0.9872	0.2892	0.9546	1.2692	0.2173	1.4556	1.6152	0.5388
40	1.5117	0.8866	0.9612	0.2901	0.9606	1.2838	0.2101	1.4152	1.5892	0.4225
45	1.6295	0.8833	0.9345	0.2901	0.9669	1.2978	0.2029	1.3807	1.5682	0.3404
50	1.7542	0.8801	0.9070	0.2893	0.9735	1.3111	0.1960	1.3506	1.5509	0.2808
55	1.8851	0.8771	0.8788	0.2877	0.9805	1.3239	0.1894	1.3238	1.5364	0.2365
60	2.0217	0.8742	0.8499	0.2852	0.9878	1.3361	0.1832	1.2996	1.5239	0.2033
65	2.1647	0.8714	0.8203	0.2818	0.9956	1.3478	0.1778	1.2773	1.5129	0.1783
70	2.3156	0.8688	0.7900	0.2775	1.0039	1.3592	0.1732	1.2565	1.5032	0.1598
75	2.4789	0.8662	0.7590	0.2724	1.0129	1.3701	0.1701	1.2367	1.4943	0.1468
80	2.6637	0.8638	0.7273	0.2663	1.0228	1.3809	0.1692	1.2174	1.4859	0.1392
85	2.8920	0.8616	0.6951	0.2594	1.0340	1.3916	0.1723	1.1981	1.4778	0.1380
90	3.2236	0.8594	0.6622	0.2516	1.0472	1.4027	0.1841	1.1778	1.4694	0.1472
95	3.9105	0.8574	0.6288	0.2430	1.0645	1.4150	0.2236	1.1544	1.4598	0.1855
100	1.5127	0.8555	0.5948	0.2336						
105	1.5560	0.8537	0.5602	0.2233						
110	1.5859	0.8520	0.5252	0.2122						
115	1.6011	0.8505	0.4897	0.2005						
120	1.6062	0.8491	0.4538	0.1880						
125	1.5820	0.8477	0.4174	0.1748						
130	1.5455	0.8465	0.3807	0.1610						
135	1.4894	0.8455	0.3436	0.1466						
140	1.4130	0.8445	0.3062	0.1317						
145	1.3153	0.8436	0.2686	0.1163						
150	1.1958	0.8429	0.2307	0.1005						
155	1.0539	0.8423	0.1926	0.0843						
160	0.8891	0.8418	0.1543	0.0678						
165	0.7014	0.8414	0.1158	0.0511						
170	0.4905	0.8411	0.0773	0.0342						
175	0.2566	0.8409	0.0387	0.0171						
180	0.	0.8409	0.	0.						

GAMMA = 0.4000

ALPHA = 14.000

K = 1.400

DC = 2.3003

XR = 1.1012

BR = 1.393054

TR = 82.98

CR = 1.4483

QR = 0.1166E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9202	1.1251	0.2544	0.9202	1.1251	0.2544			
5	1.0001	0.9152	1.1050	0.2594	0.9254	1.1445	0.2490	2.1763	2.2151	12.2786
10	1.0303	0.9104	1.0842	0.2640	0.9308	1.1631	0.2433	1.8523	1.9167	4.1500
15	1.0814	0.9058	1.0625	0.2680	0.9365	1.1810	0.2374	1.6899	1.7760	2.1555
20	1.1506	0.9014	1.0401	0.2715	0.9424	1.1982	0.2313	1.5853	1.6907	1.3361
25	1.2359	0.8971	1.0170	0.2744	0.9486	1.2147	0.2251	1.5098	1.6327	0.9139
30	1.3358	0.8931	0.9931	0.2766	0.9551	1.2306	0.2190	1.4514	1.5904	0.6665
35	1.4491	0.8892	0.9684	0.2781	0.9620	1.2458	0.2130	1.4042	1.5581	0.5093
40	1.5750	0.8854	0.9429	0.2789	0.9693	1.2604	0.2073	1.3645	1.5325	0.4037
45	1.7132	0.8819	0.9167	0.2790	0.9770	1.2745	0.2021	1.3302	1.5116	0.3302
50	1.8645	0.8784	0.8898	0.2782	0.9852	1.2881	0.1977	1.2998	1.4940	0.2779
55	2.0313	0.8752	0.8622	0.2767	0.9941	1.3013	0.1946	1.2723	1.4789	0.2406
60	2.2193	0.8720	0.8338	0.2743	1.0039	1.3143	0.1933	1.2468	1.4654	0.2150
65	2.4415	0.8691	0.8048	0.2711	1.0148	1.3271	0.1954	1.2224	1.4531	0.1996
70	2.7296	0.8662	0.7750	0.2670	1.0273	1.3401	0.2037	1.1982	1.4412	0.1955
75	3.1832	0.8635	0.7447	0.2620	1.0427	1.3539	0.2277	1.1728	1.4290	0.2109
80	4.3814	0.8610	0.7136	0.2563	1.0648	1.3707	0.3207	1.1421	1.4142	0.2983
85	1.3686	0.8585	0.6820	0.2496						
90	1.4465	0.8562	0.6497	0.2422						
95	1.5151	0.8541	0.6169	0.2339						
100	1.5727	0.8521	0.5836	0.2248						
105	1.6178	0.8502	0.5497	0.2149						
110	1.6490	0.8484	0.5154	0.2043						
115	1.6649	0.8467	0.4805	0.1930						
120	1.6641	0.8452	0.4453	0.1810						
125	1.6453	0.8438	0.4096	0.1683						
130	1.6073	0.8426	0.3736	0.1550						
135	1.5490	0.8414	0.3372	0.1412						
140	1.4696	0.8404	0.3005	0.1268						
145	1.3681	0.8395	0.2636	0.1120						
150	1.2438	0.8387	0.2264	0.0968						
155	1.0962	0.8380	0.1890	0.0812						
160	0.9249	0.8375	0.1514	0.0653						
165	0.7296	0.8371	0.1137	0.0492						
170	0.5102	0.8368	0.0758	0.0329						
175	0.2669	0.8366	0.0379	0.0165						
180	0.	0.8366	0.	0.						

GAMMA = 0.4000

ALPHA = 14.000

K = 1.600

DC = 2.3372

XR = 1.0971

BR = 1.357537

TR = 71.19

CR = 1.2425

QR = 0.8199E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9219	1.1076	0.2477	0.9219	1.1076	0.2477			
5	1.0021	0.9164	1.0877	0.2522	0.9276	1.1267	0.2428	2.1083	2.1459	11.4897
10	1.0357	0.9112	1.0671	0.2564	0.9337	1.1452	0.2378	1.7951	1.8575	3.8851
15	1.0919	0.9061	1.0458	0.2601	0.9400	1.1630	0.2326	1.6386	1.7219	2.0205
20	1.1685	0.9014	1.0237	0.2633	0.9467	1.1801	0.2275	1.5373	1.6393	1.2560
25	1.2637	0.8968	1.0009	0.2660	0.9538	1.1966	0.2225	1.4639	1.5829	0.8633
30	1.3767	0.8924	0.9773	0.2681	0.9613	1.2126	0.2178	1.4069	1.5416	0.6344
35	1.5072	0.8882	0.9530	0.2695	0.9694	1.2280	0.2138	1.3603	1.5098	0.4900
40	1.6563	0.8842	0.9280	0.2702	0.9780	1.2430	0.2107	1.3208	1.4842	0.3945
45	1.8270	0.8804	0.9022	0.2702	0.9875	1.2577	0.2092	1.2861	1.4629	0.3298
50	2.0267	0.8767	0.8757	0.2695	0.9979	1.2721	0.2102	1.2547	1.4444	0.2868
55	2.2727	0.8732	0.8485	0.2679	1.0098	1.2866	0.2159	1.2253	1.4279	0.2612
60	2.6104	0.8699	0.8206	0.2656	1.0238	1.3016	0.2312	1.1964	1.4122	0.2542
65	3.2043	0.8667	0.7920	0.2625	1.0417	1.3182	0.2740	1.1657	1.3958	0.2811
70	5.8795	0.8637	0.7627	0.2585	1.0720	1.3413	0.5434	1.1245	1.3735	0.5404
75	1.2327	0.8609	0.7328	0.2538						
80	1.3280	0.8582	0.7023	0.2482						
85	1.4169	0.8556	0.6712	0.2418						
90	1.4976	0.8532	0.6394	0.2345						
95	1.5686	0.8509	0.6072	0.2265						
100	1.6282	0.8488	0.5743	0.2177						
105	1.6750	0.8468	0.5410	0.2082						
110	1.7073	0.8449	0.5072	0.1979						
115	1.7238	0.8432	0.4729	0.1869						
120	1.7230	0.8416	0.4382	0.1753						
125	1.7035	0.8402	0.4031	0.1630						
130	1.6642	0.8388	0.3677	0.1501						
135	1.6039	0.8376	0.3319	0.1367						
140	1.5217	0.8366	0.2958	0.1228						
145	1.4166	0.8356	0.2594	0.1085						
150	1.2879	0.8348	0.2228	0.0937						
155	1.1351	0.8341	0.1860	0.0786						
160	0.9577	0.8335	0.1490	0.0633						
165	0.7554	0.8331	0.1119	0.0477						
170	0.5283	0.8328	0.0746	0.0319						
175	0.2764	0.8326	0.0373	0.0160						
180	0.	0.8325	0.	0.						

GAMMA = 0.4000 ALPHA = 14.000 K = 1.800

DC = 2.3698		XR = 1.0940		BR = 1.329112		TR = 62.45		CR = 1.0900		QR = 0.6251E 02	
THEYA	SY	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9233	1.0932	0.2430	0.9233	1.0932	0.2430				
5	1.0042	0.9174	1.0734	0.2470	0.9296	1.1122	0.2388	2.0503	2.0868	10.8367	
10	1.0414	0.9117	1.0530	0.2508	0.9363	1.1306	0.2346	1.7470	1.8076	3.6662	
15	1.1036	0.9063	1.0319	0.2541	0.9433	1.1484	0.2304	1.5947	1.6757	1.9102	
20	1.1887	0.9012	1.0100	0.2571	0.9508	1.1657	0.2265	1.4961	1.5953	1.1919	
25	1.2960	0.8963	0.9874	0.2595	0.9588	1.1824	0.2232	1.4244	1.5402	0.8244	
30	1.4256	0.8916	0.9641	0.2614	0.9675	1.1986	0.2207	1.3682	1.4994	0.6117	
35	1.5797	0.8871	0.9401	0.2626	0.9769	1.2146	0.2197	1.3219	1.4676	0.4794	
40	1.7637	0.8829	0.9154	0.2632	0.9873	1.2303	0.2211	1.2819	1.4416	0.3945	
45	1.9911	0.8788	0.8899	0.2632	0.9991	1.2460	0.2269	1.2460	1.4193	0.3415	
50	2.2959	0.8750	0.8638	0.2624	1.0128	1.2623	0.2414	1.2123	1.3991	0.3149	
55	2.7890	0.8713	0.8369	0.2608	1.0301	1.2799	0.2783	1.1782	1.3793	0.3228	
60	4.2074	0.8678	0.8094	0.2585	1.0561	1.3023	0.4294	1.1380	1.3560	0.4533	
65	1.0620	0.8645	0.7812	0.2555							
70	1.1688	0.8613	0.7523	0.2516							
75	1.2723	0.8583	0.7228	0.2469							
80	1.3706	0.8555	0.6927	0.2415							
85	1.4622	0.8528	0.6620	0.2352							
90	1.5454	0.8503	0.6307	0.2282							
95	1.6186	0.8479	0.5988	0.2204							
100	1.6801	0.8457	0.5665	0.2118							
105	1.7283	0.8436	0.5336	0.2025							
110	1.7617	0.8417	0.5002	0.1925							
115	1.7786	0.8399	0.4664	0.1818							
120	1.7778	0.8382	0.4322	0.1705							
125	1.7577	0.8367	0.3976	0.1586							
130	1.7171	0.8353	0.3626	0.1460							
135	1.6549	0.8341	0.3273	0.1330							
140	1.5700	0.8329	0.2917	0.1195							
145	1.4616	0.8320	0.2558	0.1055							
150	1.3288	0.8311	0.2197	0.0912							
155	1.1711	0.8304	0.1834	0.0765							
160	0.9881	0.8298	0.1469	0.0615							
165	0.7794	0.8294	0.1103	0.0464							
170	0.5451	0.8290	0.0736	0.0310							
175	0.2852	0.8288	0.0368	0.0155							
180	0.	0.8288	0.	0.							

GAMMA = 0.4000 ALPHA = 14.000 K = 2.000

DC = 2.3988		XR = 1.0915		BR = 1.305838		TR = 55.69		CR = 0.9719		QR = 0.5020E 02	
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9246	1.0811	0.2399	0.9246	1.0811	0.2399				
5	1.0062	0.9182	1.0614	0.2433	0.9314	1.1001	0.2365	2.0003	2.0358	10.2840	
10	1.0476	0.9121	1.0411	0.2466	0.9386	1.1186	0.2332	1.7044	1.7635	3.4823	
15	1.1164	0.9063	1.0200	0.2495	0.9464	1.1365	0.2302	1.5564	1.6354	1.8185	
20	1.2116	0.9009	0.9984	0.2521	0.9547	1.1540	0.2280	1.4600	1.5568	1.1400	
25	1.3335	0.8957	0.9760	0.2543	0.9637	1.1710	0.2268	1.3895	1.5026	0.7948	
30	1.4845	0.8907	0.9529	0.2559	0.9736	1.1878	0.2275	1.3338	1.4621	0.5971	
35	1.6719	0.8860	0.9291	0.2570	0.9847	1.2046	0.2314	1.2872	1.4300	0.4773	
40	1.9130	0.8816	0.9046	0.2575	0.9974	1.2215	0.2411	1.2462	1.4030	0.4058	
45	2.2561	0.8773	0.8794	0.2573	1.0126	1.2393	0.2635	1.2078	1.3788	0.3730	
50	2.8853	0.8732	0.8535	0.2565	1.0325	1.2594	0.3243	1.1686	1.3547	0.3953	
55	0.8694	0.8694	0.8270	0.2549							
60	0.9817	0.8657	0.7997	0.2526							
65	1.0935	0.8623	0.7719	0.2496							
70	1.2034	0.8590	0.7433	0.2457							
75	1.3097	0.8558	0.7142	0.2412							
80	1.4108	0.8529	0.6844	0.2358							
85	1.5050	0.8501	0.6540	0.2297							
90	1.5905	0.8475	0.6231	0.2228							
95	1.6657	0.8450	0.5916	0.2151							
100	1.7289	0.8427	0.5596	0.2068							
105	1.7785	0.8406	0.5272	0.1977							
110	1.8127	0.8386	0.4942	0.1879							
115	1.8301	0.8367	0.4608	0.1775							
120	1.8291	0.8350	0.4270	0.1664							
125	1.8084	0.8334	0.3928	0.1548							
130	1.7666	0.8320	0.3582	0.1425							
135	1.7026	0.8307	0.3234	0.1298							
140	1.6152	0.8295	0.2882	0.1166							
145	1.5036	0.8285	0.2527	0.1030							
150	1.3670	0.8277	0.2171	0.0890							
155	1.2048	0.8269	0.1812	0.0747							
160	1.0165	0.8263	0.1452	0.0601							
165	0.8018	0.8258	0.1090	0.0452							
170	0.5608	0.8255	0.0727	0.0303							
175	0.2934	0.8253	0.0364	0.0152							
180	0.	0.8252	0.	0.							

GAMMA=0.4000 ALPHA=14.000 K= 2.000				
DC= 2.4250		XR= 1.08956		BR= 1.28643
TR=50.2815		CR= 0.87758		QR=41.81529
THETA	ST	X1	B1	S1
0	1.0000	0.9257	1.0708	0.2380
5	1.0085	0.9188	1.0511	0.2407
10	1.0543	0.9123	1.0308	0.2434
15	1.1305	0.9062	1.0099	0.2460
20	1.2374	0.9004	0.9883	0.2482
25	1.3770	0.8950	0.9661	0.2500
30	1.5564	0.8898	0.9431	0.2515
35	1.7935	0.8849	0.9195	0.2524
40	2.1394	0.8802	0.8952	0.2527
45	2.7992	0.8757	0.8703	0.2524
50	0.7797	0.8715	0.8446	0.2515
55	0.8938	0.8675	0.8183	0.2499
60	1.0089	0.8637	0.7913	0.2476
65	1.1237	0.8601	0.7637	0.2445
70	1.2364	0.8567	0.7354	0.2407
75	1.3454	0.8535	0.7066	0.2362
80	1.4490	0.8504	0.6771	0.2309
85	1.5455	0.8475	0.6471	0.2249
90	1.6332	0.8448	0.6164	0.2181
95	1.7103	0.8423	0.5853	0.2106
100	1.7751	0.8399	0.5536	0.2024
105	1.8258	0.8377	0.5215	0.1935
110	1.8609	0.8356	0.4889	0.1839
115	1.8786	0.8337	0.4558	0.1737
120	1.8775	0.8319	0.4224	0.1629
125	1.8562	0.8303	0.3886	0.1515
130	1.8132	0.8288	0.3544	0.1395
135	1.7475	0.8275	0.3199	0.1270
140	1.6578	0.8263	0.2851	0.1141
145	1.5432	0.8253	0.2500	0.1008
150	1.4030	0.8244	0.2147	0.0871
155	1.2364	0.8236	0.1792	0.0731
160	1.0432	0.8230	0.1436	0.0588
165	0.8229	0.8225	0.1078	0.0443
170	0.5755	0.8222	0.0719	0.0296
175	0.3011	0.8220	0.0360	0.0148
180	0.	0.8219	0.	0.

GAMMA=0.4000 ALPHA=14.000 K= 2.600				
DC= 2.4710		XR= 1.08654		BR= 1.25588
TR=42.1597		CR= 0.73583		QR=31.20568
THETA	ST	X1	B1	S1
0	1.0000	0.9275	1.0542	0.2368
5	1.0132	0.9197	1.0344	0.2380
10	1.0689	0.9125	1.0141	0.2395
15	1.1630	0.9058	0.9932	0.2410
20	1.2992	0.8994	0.9717	0.2425
25	1.4883	0.8934	0.9496	0.2437
30	1.7611	0.8878	0.9269	0.2446
35	2.2243	0.8825	0.9035	0.2451
40	3.6593	0.8774	0.8796	0.2451
45	6.7038	0.8726	0.8549	0.2446
50	0.8206	0.8681	0.8296	0.2435
55	0.9400	0.8638	0.8037	0.2417
60	1.0604	0.8598	0.7771	0.2393
65	1.1804	0.8559	0.7500	0.2363
70	1.2982	0.8523	0.7222	0.2325
75	1.4121	0.8489	0.6938	0.2280
80	1.5203	0.8457	0.6648	0.2229
85	1.6211	0.8426	0.6353	0.2170
90	1.7127	0.8398	0.6052	0.2104
95	1.7932	0.8371	0.5746	0.2031
100	1.8607	0.8346	0.5435	0.1952
105	1.9136	0.8322	0.5119	0.1866
110	1.9500	0.8301	0.4799	0.1773
115	1.9684	0.8280	0.4474	0.1674
120	1.9670	0.8262	0.4146	0.1570
125	1.9444	0.8245	0.3814	0.1459
130	1.8993	0.8230	0.3478	0.1344
135	1.8302	0.8216	0.3139	0.1224
140	1.7362	0.8203	0.2798	0.1099
145	1.6161	0.8192	0.2454	0.0971
150	1.4692	0.8183	0.2107	0.0839
155	1.2947	0.8175	0.1759	0.0704
160	1.0923	0.8169	0.1409	0.0566
165	0.8616	0.8164	0.1058	0.0426
170	0.6026	0.8160	0.0706	0.0285
175	0.3152	0.8158	0.0353	0.0143
180	0.	0.8157	0.	0.

GAMMA=0.4000 ALPHA=14.000 K= 3.000				
DC= 2.5104		XR= 1.08435		BR= 1.23292
TR=36.3308		CR= 0.63409		QR=24.82726
THETA	ST	X1	B1	S1
0	1.0000	0.9289	1.0415	0.2381
5	1.0181	0.9203	1.0213	0.2375
10	1.0857	0.9124	1.0009	0.2376
15	1.2019	0.9051	0.9799	0.2381
20	1.3783	0.8982	0.9584	0.2387
25	1.6487	0.8918	0.9364	0.2393
30	2.1416	0.8857	0.9138	0.2396
35	4.1832	0.8800	0.8906	0.2397
40	0.6201	0.8747	0.8669	0.2394
45	0.7375	0.8696	0.8424	0.2386
50	0.8590	0.8648	0.8174	0.2372
55	0.9831	0.8603	0.7918	0.2354
60	1.1083	0.8560	0.7655	0.2329
65	1.2330	0.8520	0.7387	0.2298
70	1.3553	0.8482	0.7113	0.2260
75	1.4736	0.8446	0.6833	0.2215
80	1.5860	0.8412	0.6547	0.2164
85	1.6906	0.8381	0.6256	0.2107
90	1.7856	0.8351	0.5959	0.2042
95	1.8690	0.8323	0.5658	0.1971
100	1.9390	0.8297	0.5351	0.1893
105	1.9937	0.8272	0.5040	0.1809
110	2.0313	0.8250	0.4725	0.1719
115	2.0501	0.8229	0.4405	0.1623
120	2.0484	0.8209	0.4081	0.1522
125	2.0247	0.8192	0.3754	0.1415
130	1.9775	0.8176	0.3424	0.1303
135	1.9054	0.8162	0.3090	0.1186
140	1.8073	0.8149	0.2754	0.1065
145	1.6822	0.8137	0.2415	0.0941
150	1.5292	0.8128	0.2074	0.0813
155	1.3475	0.8119	0.1731	0.0682
160	1.1368	0.8113	0.1387	0.0549
165	0.8967	0.8108	0.1041	0.0413
170	0.6271	0.8104	0.0695	0.0276
175	0.3281	0.8102	0.0348	0.0138
180	0.	0.8101	0.	0.

GAMMA=0.4000 ALPHA=14.000 K= 4.000				
DC= 2.5902		XR= 1.08081		BR= 1.19455
TR=27.0438		CR= 0.47200		QR=16.38351
THETA	ST	X1	B1	S1
0	1.0000	0.9315	1.0194	0.2474
5	1.0324	0.9209	0.9983	0.2414
10	1.1382	0.9114	0.9771	0.2377
15	1.3367	0.9027	0.9558	0.2354
20	1.7168	0.8948	0.9341	0.2339
25	2.9773	0.8874	0.9121	0.2328
30	0.4504	0.8805	0.8896	0.2318
35	0.5652	0.8741	0.8666	0.2308
40	0.6870	0.8681	0.8431	0.2296
45	0.8145	0.8624	0.8190	0.2282
50	0.9462	0.8571	0.7944	0.2263
55	1.0807	0.8521	0.7693	0.2241
60	1.2161	0.8475	0.7436	0.2213
65	1.3508	0.8430	0.7174	0.2180
70	1.4828	0.8389	0.6906	0.2141
75	1.6104	0.8350	0.6632	0.2097
80	1.7315	0.8313	0.6354	0.2046
85	1.8441	0.8279	0.6070	0.1990
90	1.9462	0.8247	0.5782	0.1928
95	2.0358	0.8216	0.5488	0.1859
100	2.1108	0.8188	0.5191	0.1785
105	2.1692	0.8162	0.4888	0.1705
110	2.2091	0.8138	0.4582	0.1619
115	2.2286	0.8116	0.4272	0.1528
120	2.2260	0.8095	0.3958	0.1432
125	2.1995	0.8076	0.3640	0.1331
130	2.1476	0.8059	0.3319	0.1225
135	2.0688	0.8044	0.2996	0.1115
140	1.9619	0.8030	0.2670	0.1002
145	1.8257	0.8018	0.2341	0.0884
150	1.6594	0.8008	0.2011	0.0764
155	1.4621	0.7999	0.1678	0.0641
160	1.2333	0.7992	0.1344	0.0515
165	0.9727	0.7986	0.1009	0.0388
170	0.6802	0.7982	0.0673	0.0260
175	0.3559	0.7980	0.0337	0.0130
180	0.	0.7979	0.	0.

GAMMA=0.4000 ALPHA=14.000 K= 6.000

DC= 2.7047 XR= 1.07728 BR= 1.15474
TR=17.9315 CR= 0.31296 QR= 9.73472

THETA	ST	X1	B1	S1
0	1.0000	0.9344	0.9956	0.2785
5	1.0692	0.9202	0.9718	0.2585
10	1.3055	0.9079	0.9490	0.2461
15	2.0451	0.8971	0.9265	0.2379
20	0.3007	0.8874	0.9041	0.2321
25	0.4126	0.8786	0.8816	0.2279
30	0.5343	0.8705	0.8589	0.2245
35	0.6648	0.8631	0.8359	0.2217
40	0.8025	0.8562	0.8126	0.2190
45	0.9460	0.8498	0.7889	0.2164
50	1.0939	0.8438	0.7647	0.2136
55	1.2443	0.8382	0.7401	0.2106
60	1.3956	0.8330	0.7151	0.2073
65	1.5457	0.8281	0.6895	0.2037
70	1.6927	0.8235	0.6635	0.1996
75	1.8345	0.8192	0.6370	0.1950
80	1.9688	0.8151	0.6101	0.1900
85	2.0935	0.8114	0.5827	0.1845
90	2.2062	0.8078	0.5548	0.1784
95	2.3049	0.8046	0.5265	0.1719
100	2.3871	0.8015	0.4979	0.1648
105	2.4508	0.7987	0.4688	0.1573
110	2.4937	0.7960	0.4393	0.1492
115	2.5138	0.7936	0.4095	0.1407
120	2.5091	0.7914	0.3793	0.1318
125	2.4777	0.7894	0.3488	0.1224
130	2.4179	0.7875	0.3181	0.1126
135	2.3281	0.7859	0.2870	0.1025
140	2.2069	0.7844	0.2558	0.0920
145	2.0530	0.7831	0.2243	0.0812
150	1.8654	0.7820	0.1926	0.0701
155	1.6432	0.7811	0.1607	0.0588
160	1.3858	0.7803	0.1288	0.0473
165	1.0928	0.7797	0.0967	0.0356
170	0.7641	0.7793	0.0645	0.0238
175	0.3997	0.7790	0.0323	0.0119
180	0.	0.7789	0.	0.

GAMMA=0.4000 ALPHA=14.000 K= 8.000

DC= 2.7884 XR= 1.07552 BR= 1.13425
TR=13.4225 CR= 0.23427 QR= 6.92452

THETA	ST	X1	B1	S1
0	1.0000	0.9359	0.9829	0.3162
5	1.1201	0.9184	0.9563	0.2784
10	1.6616	0.9039	0.9317	0.2567
15	0.2359	0.8914	0.9080	0.2428
20	0.3490	0.8804	0.8849	0.2333
25	0.4733	0.8706	0.8619	0.2264
30	0.6075	0.8617	0.8390	0.2211
35	0.7504	0.8535	0.8159	0.2167
40	0.9007	0.8460	0.7926	0.2129
45	1.0569	0.8391	0.7690	0.2094
50	1.2173	0.8326	0.7450	0.2059
55	1.3803	0.8267	0.7207	0.2024
60	1.5438	0.8211	0.6960	0.1986
65	1.7059	0.8159	0.6709	0.1947
70	1.8643	0.8110	0.6454	0.1904
75	2.0169	0.8064	0.6194	0.1857
80	2.1612	0.8022	0.5931	0.1806
85	2.2950	0.7982	0.5663	0.1751
90	2.4157	0.7945	0.5391	0.1692
95	2.5211	0.7911	0.5115	0.1628
100	2.6086	0.7879	0.4836	0.1560
105	2.6759	0.7849	0.4552	0.1487
110	2.7208	0.7821	0.4265	0.1410
115	2.7409	0.7796	0.3975	0.1329
120	2.7341	0.7773	0.3682	0.1244
125	2.6985	0.7752	0.3386	0.1155
130	2.6322	0.7733	0.3087	0.1062
135	2.5334	0.7715	0.2785	0.0966
140	2.4007	0.7700	0.2482	0.0867
145	2.2326	0.7687	0.2176	0.0765
150	2.0280	0.7675	0.1868	0.0660
155	1.7861	0.7665	0.1559	0.0553
160	1.5060	0.7657	0.1249	0.0445
165	1.1875	0.7651	0.0938	0.0335
170	0.8302	0.7647	0.0626	0.0224
175	0.4343	0.7644	0.0313	0.0112
180	0.	0.7643	0.	0.

GAMMA=0.4000 ALPHA=14.000 K=10.000

DC= 2.8552 XR= 1.07446 BR= 1.12176
TR=10.7282 CR= 0.18724 QR= 5.37412

THETA	ST	X1	B1	S1
0	1.0000	0.9370	0.9750	0.3567
5	1.1893	0.9162	0.9456	0.2982
10	0.1579	0.8997	0.9193	0.2670
15	0.2692	0.8859	0.8946	0.2478
20	0.3930	0.8739	0.8707	0.2350
25	0.5278	0.8633	0.8474	0.2258
30	0.6725	0.8538	0.8241	0.2189
35	0.8259	0.8451	0.8009	0.2133
40	0.9867	0.8371	0.7776	0.2086
45	1.1534	0.8298	0.7541	0.2044
50	1.3243	0.8231	0.7303	0.2003
55	1.4976	0.8168	0.7062	0.1964
60	1.6713	0.8110	0.6818	0.1923
65	1.8432	0.8056	0.6570	0.1881
70	2.0110	0.8005	0.6318	0.1837
75	2.1724	0.7958	0.6062	0.1789
80	2.3249	0.7914	0.5803	0.1738
85	2.4659	0.7873	0.5540	0.1683
90	2.5931	0.7834	0.5273	0.1624
95	2.7038	0.7799	0.5002	0.1562
100	2.7954	0.7766	0.4728	0.1495
105	2.8656	0.7735	0.4450	0.1424
110	2.9117	0.7707	0.4169	0.1350
115	2.9316	0.7681	0.3885	0.1271
120	2.9230	0.7657	0.3598	0.1189
125	2.8836	0.7635	0.3308	0.1104
130	2.8116	0.7615	0.3016	0.1015
135	2.7052	0.7598	0.2721	0.0922
140	2.5627	0.7582	0.2424	0.0827
145	2.3826	0.7568	0.2125	0.0730
150	2.1638	0.7556	0.1825	0.0630
155	1.9053	0.7546	0.1523	0.0528
160	1.6063	0.7538	0.1220	0.0425
165	1.2664	0.7532	0.0916	0.0320
170	0.8853	0.7527	0.0611	0.0214
175	0.4631	0.7525	0.0306	0.0107
180	0.	0.7524	0.	0.

GAMMA=0.4000 ALPHA=14.000 K=20.000

DC= 3.0771 XR= 1.07235 BR= 1.09632
TR= 4.3574 CR= 0.07605 QR= 2.53698

THETA	ST	X1	B1	S1
0	1.0000	0.9390	0.9586	0.5696
5	0.1120	0.9047	0.9162	0.3789
10	0.2546	0.8813	0.8835	0.3045
15	0.4073	0.8631	0.8551	0.2652
20	0.5699	0.8481	0.8289	0.2410
25	0.7422	0.8353	0.8041	0.2246
30	0.9240	0.8240	0.7801	0.2127
35	1.1144	0.8139	0.7564	0.2036
40	1.3122	0.8048	0.7330	0.1962
45	1.5157	0.7966	0.7097	0.1899
50	1.7230	0.7890	0.6863	0.1843
55	1.9321	0.7820	0.6628	0.1791
60	2.1407	0.7756	0.6391	0.1742
65	2.3461	0.7696	0.6152	0.1693
70	2.5458	0.7641	0.5911	0.1644
75	2.7370	0.7590	0.5667	0.1594
80	2.9168	0.7542	0.5420	0.1542
85	3.0822	0.7498	0.5170	0.1488
90	3.2304	0.7456	0.4918	0.1431
95	3.3582	0.7418	0.4662	0.1372
100	3.4628	0.7383	0.4404	0.1310
105	3.5412	0.7350	0.4144	0.1245
110	3.5906	0.7320	0.3880	0.1177
115	3.6081	0.7292	0.3614	0.1107
120	3.5912	0.7267	0.3346	0.1033
125	3.5375	0.7243	0.3075	0.0957
130	3.4444	0.7223	0.2803	0.0879
135	3.3100	0.7204	0.2528	0.0798
140	3.1323	0.7187	0.2252	0.0715
145	2.9095	0.7173	0.1974	0.0630
150	2.6403	0.7160	0.1694	0.0544
155	2.3233	0.7149	0.1414	0.0455
160	1.9577	0.7141	0.1132	0.0366
165	1.5428	0.7134	0.0850	0.0275
170	1.0782	0.7129	0.0567	0.0184
175	0.5639	0.7126	0.0284	0.0092
180	0.	0.7125	0.	0.

GAMMA = 0.6000

ALPHA = 9.000

K = 0.200

DE = 1.8095

XD = 1.7251

BD = 2.339657

Y2 = -0.2850E 01

THETA	S1	S1	S1	S1	S2	S2	S2	S3	S3
0	1.0000	0.8898	1.5248	0.5523	0.8598	1.5248	0.6110		
5	0.9925	0.8877	1.4928	0.5540	0.8620	1.5561	0.8085	3.5996	3.6640
10	1.0098	0.8856	1.4601	0.5548	0.8642	1.5865	0.6052	3.0598	3.1661
15	1.0434	0.8836	1.4265	0.5545	0.8664	1.6161	0.6012	2.7888	2.9308
20	1.0902	0.8815	1.3922	0.5532	0.8686	1.6450	0.5966	2.6139	2.7886
25	1.1480	0.8795	1.3572	0.5508	0.8708	1.6730	0.5915	2.4692	2.6926
30	1.2152	0.8776	1.3218	0.5474	0.8731	1.7003	0.5858	2.3397	2.6235
35	1.2904	0.8757	1.2849	0.5428	0.8753	1.7268	0.5796	2.2315	2.5715
40	1.3724	0.8738	1.2477	0.5372	0.8776	1.7524	0.5730	2.1348	2.5313
45	1.4598	0.8720	1.2097	0.5304	0.8798	1.7773	0.5660	2.0221	2.4996
50	1.5517	0.8692	1.1711	0.5225	0.8821	1.8014	0.5586	2.1132	2.4740
55	1.6467	0.8664	1.1319	0.5135	0.8843	1.8248	0.5510	2.1181	2.4532
60	1.7438	0.8636	1.0920	0.5034	0.8866	1.8474	0.5432	2.0860	2.4361
65	1.8419	0.8608	1.0514	0.4921	0.8888	1.8692	0.5352	2.0538	2.4219
70	1.9401	0.8580	1.0103	0.4796	0.8911	1.8902	0.5272	2.0270	2.4101
75	2.0372	0.8552	0.9686	0.4663	0.8933	1.9106	0.5190	2.0050	2.4001
80	2.1323	0.8524	0.9263	0.4519	0.8955	1.9302	0.5109	1.9815	2.3916
85	2.2248	0.8496	0.8834	0.4364	0.8977	1.9491	0.5028	1.9618	2.3845
90	2.3129	0.8468	0.8401	0.4198	0.8998	1.9673	0.4948	1.9451	2.3784
95	2.3966	0.8440	0.7962	0.4023	0.9019	1.9848	0.4869	1.9279	2.3732
100	2.4750	0.8412	0.7519	0.3839	0.9041	2.0016	0.4792	1.9131	2.3687
105	2.5473	0.8384	0.7071	0.3648	0.9062	2.0177	0.4718	1.8996	2.3648
110	2.6129	0.8356	0.6619	0.3444	0.9082	2.0333	0.4647	1.8872	2.3615
115	2.6712	0.8328	0.6169	0.3233	0.9102	2.0482	0.4578	1.8758	2.3587
120	2.7217	0.8299	0.5703	0.3018	0.9122	2.0625	0.4514	1.8653	2.3562
125	2.7639	0.8270	0.5240	0.2791	0.9141	2.0762	0.4453	1.8556	2.3541
130	2.7977	0.8241	0.4774	0.2559	0.9160	2.0893	0.4396	1.8467	2.3522
135	2.8227	0.8212	0.4306	0.2321	0.9179	2.1018	0.4344	1.8384	2.3506
140	2.8387	0.8184	0.3833	0.2077	0.9197	2.1138	0.4297	1.8307	2.3492
145	2.8458	0.8156	0.3359	0.1829	0.9215	2.1253	0.4255	1.8236	2.3480
150	2.8439	0.8128	0.2883	0.1576	0.9232	2.1363	0.4217	1.8170	2.3469
155	2.8332	0.8100	0.2405	0.1319	0.9249	2.1468	0.4186	1.8109	2.3460
160	2.8138	0.8072	0.1926	0.1059	0.9266	2.1568	0.4160	1.8051	2.3452
165	2.7862	0.8044	0.1445	0.0797	0.9282	2.1663	0.4139	1.7998	2.3445
170	2.7508	0.8016	0.0964	0.0532	0.9298	2.1754	0.4124	1.7949	2.3439
175	2.7081	0.7988	0.0482	0.0266	0.9313	2.1841	0.4116	1.7903	2.3436
180	2.6589	0.7960	0.0	0.0	0.9328	2.1924	0.4113	1.7860	2.3429

GAMMA = 0.6000

ALPHA = 9.000

K = 0.400

DE = 2.0565

XD = 1.4161

BD = 1.989748

Y2 = -0.2389E 01

THETA	S1	S1	S1	S1	S2	S2	S2	S3	S3
0	1.0000	0.8713	1.3972	0.4180	0.8713	1.3972	0.4656		
5	0.9961	0.8679	1.3098	0.4203	0.8747	1.3641	0.4526	3.0528	3.1070
10	1.0115	0.8646	1.2812	0.4217	0.8782	1.3303	0.4489	2.6015	2.6916
15	1.0562	0.8614	1.2521	0.4224	0.8817	1.4137	0.4447	2.3750	2.4955
20	1.1092	0.8582	1.2224	0.4221	0.8853	1.4404	0.4398	2.2298	2.3772
25	1.1740	0.8551	1.1919	0.4210	0.8890	1.4664	0.4345	2.1265	2.2973
30	1.2489	0.8521	1.1607	0.4191	0.8927	1.4916	0.4286	2.0466	2.2396
35	1.3322	0.8492	1.1289	0.4162	0.8964	1.5160	0.4224	1.9815	2.1962
40	1.4223	0.8464	1.0964	0.4123	0.9002	1.5397	0.4157	1.9286	2.1625
45	1.5178	0.8436	1.0632	0.4076	0.9040	1.5627	0.4087	1.8840	2.1357
50	1.6173	0.8410	1.0295	0.4019	0.9079	1.5859	0.4014	1.8457	2.1141
55	1.7193	0.8384	0.9951	0.3954	0.9117	1.5925	0.3938	1.8123	2.0963
60	1.8226	0.8359	0.9601	0.3879	0.9156	1.6113	0.3861	1.7890	2.0817
65	1.9259	0.8333	0.9246	0.3795	0.9196	1.6293	0.3782	1.7669	2.0694
70	2.0280	0.8312	0.8885	0.3702	0.9235	1.6467	0.3702	1.7466	2.0590
75	2.1277	0.8290	0.8519	0.3601	0.9274	1.6634	0.3623	1.7124	2.0502
80	2.2240	0.8268	0.8147	0.3491	0.9314	1.6794	0.3543	1.6933	2.0427
85	2.3158	0.8248	0.7771	0.3372	0.9354	1.6948	0.3464	1.6759	2.0363
90	2.4021	0.8229	0.7390	0.3246	0.9393	1.7098	0.3385	1.6599	2.0307
95	2.4821	0.8211	0.7005	0.3111	0.9433	1.7236	0.3309	1.6453	2.0259
100	2.5549	0.8193	0.6615	0.2970	0.9473	1.7371	0.3234	1.6318	2.0217
105	2.6199	0.8177	0.6221	0.2821	0.9512	1.7498	0.3162	1.6193	2.0181
110	2.6764	0.8162	0.5824	0.2666	0.9551	1.7622	0.3093	1.6078	2.0149
115	2.7238	0.8148	0.5423	0.2502	0.9590	1.7739	0.3027	1.5971	2.0121
120	2.7617	0.8134	0.5018	0.2334	0.9629	1.7851	0.2964	1.5871	2.0097
125	2.7899	0.8122	0.4611	0.2160	0.9668	1.7957	0.2905	1.5778	2.0075
130	2.8082	0.8111	0.4201	0.1981	0.9706	1.8058	0.2851	1.5690	2.0056
135	2.8160	0.8101	0.3788	0.1797	0.9744	1.8154	0.2801	1.5609	2.0039
140	2.8135	0.8092	0.3373	0.1608	0.9782	1.8246	0.2755	1.5533	2.0024
145	2.8008	0.8084	0.2956	0.1418	0.9819	1.8333	0.2715	1.5461	2.0011
150	2.7779	0.8077	0.2537	0.1220	0.9856	1.8415	0.2679	1.5394	1.9999
155	2.7453	0.8071	0.2116	0.1021	0.9892	1.8494	0.2648	1.5330	1.9989
160	2.7033	0.8066	0.1695	0.0820	0.9928	1.8568	0.2623	1.5271	1.9979
165	2.6524	0.8063	0.1272	0.0617	0.9963	1.8638	0.2604	1.5215	1.9971
170	2.5932	0.8060	0.0848	0.0412	0.9998	1.8705	0.2590	1.5162	1.9964
175	2.5264	0.8058	0.0424	0.0206	1.0033	1.8768	0.2581	1.5112	1.9957
180	2.4430	0.8058	0.0	0.0	1.0064	1.8828	0.2578	1.5064	1.9951

GAMMA = 0.6000 ALPHA = 9.000 K = 0.600										
DC = 2.2094 XR = 1.2079 BR = 1.776783 TR = 146.69 CR = 3.7230 QR = 0.1266E 04										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8786	1.2459	0.3616	0.8786	1.2459	0.3616			
5	0.9981	0.8742	1.2203	0.3639	0.8832	1.2709	0.3586	2.7755	2.8246	19.6215
10	1.0214	0.8699	1.1939	0.3655	0.8878	1.2952	0.3549	2.3695	2.4511	6.6406
15	1.0829	0.8658	1.1668	0.3663	0.8925	1.3188	0.3506	2.1654	2.2746	3.4528
20	1.1193	0.8617	1.1391	0.3663	0.8974	1.3416	0.3456	2.0344	2.1681	2.1400
25	1.1881	0.8577	1.1107	0.3655	0.9023	1.3637	0.3401	1.9398	2.0957	1.4604
30	1.2669	0.8539	1.0817	0.3639	0.9074	1.3851	0.3340	1.8670	2.0433	1.0592
35	1.3540	0.8502	1.0520	0.3615	0.9125	1.4058	0.3274	1.8083	2.0035	0.8012
40	1.4473	0.8466	1.0217	0.3583	0.9178	1.4258	0.3203	1.7596	1.9724	0.6251
45	1.5452	0.8431	0.9908	0.3542	0.9231	1.4450	0.3129	1.7182	1.9476	0.4994
50	1.6460	0.8398	0.9593	0.3494	0.9285	1.4636	0.3050	1.6824	1.9273	0.4066
55	1.7482	0.8365	0.9272	0.3437	0.9341	1.4814	0.2969	1.6510	1.9104	0.3362
60	1.8500	0.8334	0.8946	0.3372	0.9397	1.4985	0.2884	1.6230	1.8963	0.2816
65	1.9501	0.8304	0.8619	0.3299	0.9454	1.5150	0.2797	1.5979	1.8844	0.2384
70	2.0470	0.8276	0.8278	0.3218	0.9512	1.5308	0.2709	1.5752	1.8741	0.2039
75	2.1393	0.8248	0.7936	0.3129	0.9571	1.5459	0.2618	1.5545	1.8653	0.1758
80	2.2257	0.8222	0.7590	0.3033	0.9631	1.5603	0.2527	1.5355	1.8576	0.1528
85	2.3049	0.8197	0.7239	0.2930	0.9692	1.5742	0.2436	1.5179	1.8509	0.1337
90	2.3758	0.8174	0.6884	0.2819	0.9753	1.5873	0.2344	1.5016	1.8449	0.1178
95	2.4372	0.8151	0.6524	0.2702	0.9815	1.5999	0.2252	1.4864	1.8397	0.1044
100	2.4882	0.8130	0.6161	0.2579	0.9879	1.6119	0.2161	1.4722	1.8350	0.0931
105	2.5278	0.8110	0.5794	0.2449	0.9942	1.6233	0.2071	1.4588	1.8308	0.0834
110	2.5551	0.8092	0.5423	0.2313	1.0007	1.6342	0.1982	1.4461	1.8270	0.0752
115	2.5694	0.8075	0.5049	0.2172	1.0073	1.6445	0.1895	1.4341	1.8236	0.0682
120	2.5700	0.8059	0.4673	0.2025	1.0140	1.6543	0.1809	1.4227	1.8205	0.0621
125	2.5564	0.8044	0.4293	0.1874	1.0207	1.6636	0.1726	1.4118	1.8176	0.0569
130	2.5281	0.8030	0.3911	0.1718	1.0276	1.6724	0.1646	1.4013	1.8150	0.0524
135	2.4848	0.8018	0.3526	0.1558	1.0345	1.6808	0.1567	1.3912	1.8126	0.0485
140	2.4263	0.8007	0.3140	0.1394	1.0416	1.6887	0.1492	1.3814	1.8103	0.0452
145	2.3524	0.7998	0.2752	0.1227	1.0488	1.6962	0.1420	1.3719	1.8082	0.0423
150	2.2632	0.7989	0.2361	0.1057	1.0561	1.7033	0.1351	1.3627	1.8062	0.0399
155	3.5087	0.7982	0.1970	0.0885	1.0636	1.7101	0.2329	1.3536	1.8044	0.0929
160	3.2922	0.7977	0.1577	0.0711	1.0713	1.7165	0.2193	1.3447	1.8026	0.0804
165	3.1551	0.7972	0.1184	0.0534	1.0791	1.7225	0.2119	1.3358	1.8008	0.0739
170	3.0494	0.7969	0.0790	0.0357	1.0872	1.7283	0.2076	1.3270	1.7992	0.0702
175	2.9606	0.7967	0.0395	0.0179	1.0956	1.7338	0.2053	1.3181	1.7975	0.0683
180	2.8847	0.7966	0.	0.	1.1043	1.7390	0.2046	1.3091	1.7959	0.0676

GAMMA = 0.6000 ALPHA = 9.000 K = 0.800										
DC = 2.3218 XR = 1.1769 BR = 1.641005 TR = 135.71 CR = 2.3686 QR = 0.1871E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8840	1.1895	0.3313	0.8840	1.1895	0.3313			
5	1.0018	0.8786	1.1649	0.3333	0.8895	1.2135	0.3286	2.5959	2.6416	17.0215
10	1.0307	0.8734	1.1396	0.3346	0.8951	1.2368	0.3254	2.2189	2.2950	5.7730
15	1.0801	0.8684	1.1136	0.3352	0.9010	1.2594	0.3215	2.0291	2.1310	3.0126
20	1.1461	0.8635	1.0870	0.3351	0.9070	1.2813	0.3171	1.9067	2.0315	1.8767
25	1.2257	0.8588	1.0598	0.3343	0.9132	1.3026	0.3121	1.8179	1.9636	1.2888
30	1.3166	0.8543	1.0320	0.3327	0.9196	1.3231	0.3067	1.7491	1.9140	0.9419
35	1.4165	0.8499	1.0035	0.3304	0.9262	1.3430	0.3008	1.6932	1.8761	0.7189
40	1.5236	0.8457	0.9745	0.3273	0.9330	1.3622	0.2946	1.6465	1.8462	0.5668
45	1.6361	0.8416	0.9449	0.3235	0.9399	1.3808	0.2880	1.6064	1.8220	0.4582
50	1.7524	0.8377	0.9148	0.3189	0.9471	1.3986	0.2811	1.5714	1.8019	0.3782
55	1.8708	0.8339	0.8841	0.3135	0.9545	1.4159	0.2740	1.5403	1.7850	0.3176
60	1.9900	0.8303	0.8529	0.3075	0.9621	1.4324	0.2667	1.5123	1.7706	0.2708
65	2.1086	0.8269	0.8212	0.3007	0.9699	1.4484	0.2593	1.4868	1.7582	0.2341
70	2.2257	0.8236	0.7890	0.2932	0.9780	1.4637	0.2519	1.4633	1.7473	0.2049
75	2.3402	0.8204	0.7563	0.2850	0.9864	1.4784	0.2445	1.4416	1.7376	0.1816
80	2.4514	0.8174	0.7232	0.2761	0.9951	1.4926	0.2373	1.4211	1.7290	0.1628
85	2.5590	0.8146	0.6897	0.2666	1.0042	1.5062	0.2302	1.4018	1.7212	0.1477
90	2.6631	0.8119	0.6558	0.2564	1.0136	1.5192	0.2235	1.3834	1.7140	0.1356
95	2.7646	0.8093	0.6215	0.2457	1.0235	1.5318	0.2173	1.3667	1.7073	0.1263
100	2.8652	0.8069	0.5868	0.2343	1.0339	1.5440	0.2118	1.3484	1.7010	0.1193
105	2.9687	0.8046	0.5518	0.2225	1.0449	1.5558	0.2073	1.3313	1.6950	0.1148
110	3.0819	0.8025	0.5164	0.2100	1.0567	1.5673	0.2043	1.3143	1.6892	0.1129
115	3.2181	0.8006	0.4808	0.1971	1.0695	1.5786	0.2037	1.2969	1.6833	0.1141
120	3.4060	0.7987	0.4449	0.1838	1.0838	1.5899	0.2073	1.2787	1.6772	0.1203
125	3.7196	0.7971	0.4087	0.1700	1.1004	1.6015	0.2196	1.2588	1.6706	0.1357
130	4.4337	0.7956	0.3723	0.1558	1.1212	1.6143	0.2575	1.2351	1.6626	0.1771
135	1.1226	0.7942	0.3357	0.1413						
140	1.0608	0.7929	0.2989	0.1264						
145	0.9840	0.7919	0.2619	0.1112						
150	0.8918	0.7909	0.2247	0.0958						
155	0.7839	0.7901	0.1875	0.0802						
160	0.6600	0.7895	0.1501	0.0644						
165	0.5197	0.7890	0.1127	0.0484						
170	0.3631	0.7886	0.0751	0.0323						
175	0.1898	0.7884	0.0376	0.0162						
180	0.	0.7883	0.	0.						

GAMMA = 0.6000

ALPHA = 9.000

K = 1.000

DC = 2.4116 XR = 1.1608 BR = 1.551043 TR = 102.71 CR = 1.7927 QR = 0.8151E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8880	1.1505	0.3133	0.8880	1.1505	0.3133			
5	1.0057	0.8818	1.1264	0.3148	0.8944	1.1739	0.3113	2.4654	2.5087	15.2523
10	1.0412	0.8758	1.1017	0.3156	0.9011	1.1967	0.3087	2.1094	2.1815	5.1879
15	1.0997	0.8700	1.0764	0.3159	0.9081	1.2189	0.3056	1.9294	2.0261	2.7200
20	1.1767	0.8644	1.0505	0.3155	0.9153	1.2405	0.3021	1.8130	1.9315	1.7049
25	1.2692	0.8591	1.0240	0.3144	0.9227	1.2614	0.2981	1.7278	1.8663	1.1799
30	1.3745	0.8539	0.9969	0.3126	0.9305	1.2817	0.2938	1.6614	1.8184	0.8702
35	1.4907	0.8490	0.9692	0.3102	0.9386	1.3014	0.2893	1.6070	1.7813	0.6715
40	1.6161	0.8442	0.9410	0.3070	0.9470	1.3205	0.2845	1.5610	1.7517	0.5362
45	1.7494	0.8396	0.9123	0.3032	0.9558	1.3390	0.2796	1.5211	1.7273	0.4402
50	1.8896	0.8352	0.8830	0.2987	0.9650	1.3570	0.2748	1.4858	1.7068	0.3700
55	2.0361	0.8310	0.8533	0.2935	0.9746	1.3744	0.2701	1.4539	1.6892	0.3176
60	2.1891	0.8270	0.8230	0.2876	0.9848	1.3913	0.2657	1.4247	1.6738	0.2781
65	2.3494	0.8231	0.7923	0.2811	0.9955	1.4078	0.2620	1.3975	1.6601	0.2483
70	2.5196	0.8194	0.7611	0.2739	1.0070	1.4238	0.2592	1.3718	1.6476	0.2263
75	2.7049	0.8159	0.7295	0.2661	1.0193	1.4396	0.2580	1.3470	1.6360	0.2111
80	2.9158	0.8126	0.6975	0.2576	1.0328	1.4551	0.2593	1.3228	1.6249	0.2023
85	3.1732	0.8095	0.6650	0.2486	1.0477	1.4708	0.2650	1.2984	1.6141	0.2012
90	3.5298	0.8065	0.6322	0.2390	1.0649	1.4868	0.2796	1.2730	1.6030	0.2112
95	4.1451	0.8037	0.5991	0.2288	1.0859	1.5040	0.3161	1.2449	1.5907	0.2453
100	6.0084	0.8010	0.5656	0.2182	1.1160	1.5251	0.4570	1.2085	1.5744	0.3855
105	1.2616	0.7985	0.5317	0.2070						
110	1.2767	0.7962	0.4976	0.1953						
115	1.2803	0.7941	0.4632	0.1833						
120	1.2717	0.7921	0.4286	0.1708						
125	1.2500	0.7902	0.3937	0.1579						
130	1.2147	0.7886	0.3586	0.1447						
135	1.1651	0.7871	0.3233	0.1311						
140	1.1006	0.7857	0.2878	0.1173						
145	1.0206	0.7845	0.2522	0.1032						
150	0.9248	0.7835	0.2164	0.0889						
155	0.8128	0.7826	0.1805	0.0744						
160	0.6842	0.7819	0.1445	0.0597						
165	0.5387	0.7814	0.1085	0.0449						
170	0.3763	0.7810	0.0723	0.0300						
175	0.1967	0.7808	0.0362	0.0150						
180	0.	0.7807	0.	0.						

GAMMA = 0.6000

ALPHA = 9.000

K = 1.200

DC = 2.4869 XR = 1.1506 BR = 1.487087 TR = 83.42 CR = 1.4560 QR = 0.4942E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8912	1.1216	0.3024	0.8912	1.1216	0.3024			
5	1.0098	0.8841	1.0978	0.3031	0.8985	1.1449	0.3011	2.3642	2.4057	13.9507
10	1.0528	0.8774	1.0734	0.3034	0.9062	1.1675	0.2995	2.0243	2.0933	4.7620
15	1.1216	0.8709	1.0485	0.3031	0.9142	1.1896	0.2975	1.8519	1.9444	2.5104
20	1.2112	0.8647	1.0230	0.3022	0.9226	1.2112	0.2952	1.7393	1.8529	1.5848
25	1.3186	0.8588	0.9969	0.3008	0.9314	1.2322	0.2928	1.6566	1.7896	1.1063
30	1.4415	0.8530	0.9703	0.2987	0.9406	1.2527	0.2903	1.5914	1.7424	0.8247
35	1.5787	0.8476	0.9432	0.2960	0.9503	1.2726	0.2879	1.5375	1.7055	0.6447
40	1.7295	0.8423	0.9155	0.2927	0.9606	1.2921	0.2857	1.4915	1.6756	0.5232
45	1.8943	0.8373	0.8874	0.2888	0.9716	1.3112	0.2842	1.4509	1.6505	0.4383
50	2.0752	0.8325	0.8588	0.2842	0.9833	1.3300	0.2837	1.4143	1.6289	0.3780
55	2.2762	0.8279	0.8296	0.2790	0.9960	1.3485	0.2848	1.3805	1.6097	0.3355
60	2.5065	0.8235	0.8001	0.2732	1.0099	1.3669	0.2887	1.3485	1.5922	0.3072
65	2.7850	0.8193	0.7701	0.2668	1.0254	1.3855	0.2974	1.3174	1.5758	0.2922
70	3.1562	0.8153	0.7396	0.2597	1.0432	1.4046	0.3157	1.2861	1.5596	0.2930
75	3.7523	0.8115	0.7088	0.2521	1.0649	1.4251	0.3570	1.2527	1.5425	0.3218
80	5.2651	0.8079	0.6775	0.2440	1.0952	1.4499	0.4930	1.2123	1.5215	0.4488
85	1.1441	0.8045	0.6459	0.2353						
90	1.1976	0.8013	0.6140	0.2260						
95	1.2429	0.7983	0.5817	0.2163						
100	1.2789	0.7954	0.5491	0.2061						
105	1.3049	0.7927	0.5162	0.1954						
110	1.3198	0.7903	0.4830	0.1844						
115	1.3230	0.7879	0.4496	0.1729						
120	1.3134	0.7858	0.4159	0.1610						
125	1.2906	0.7838	0.3820	0.1488						
130	1.2536	0.7821	0.3479	0.1363						
135	1.2020	0.7805	0.3136	0.1235						
140	1.1351	0.7790	0.2792	0.1104						
145	1.0523	0.7777	0.2446	0.0971						
150	0.9533	0.7766	0.2099	0.0836						
155	0.8377	0.7757	0.1751	0.0699						
160	0.7050	0.7750	0.1402	0.0561						
165	0.5550	0.7744	0.1052	0.0422						
170	0.3876	0.7739	0.0702	0.0282						
175	0.2026	0.7737	0.0351	0.0141						
180	0.	0.7736	0.	0.						

GAMMA = 0.6000

ALPHA = 9.090

K = 1.400

DC = 2.5521

XR = 1.1436

BR = 1.439246

TR = 70.59

CR = 1.2309

QR = 0.3489E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8938	1.0993	0.2958	0.8938	1.0993	0.2958			
5	1.0143	0.8859	1.0756	0.2957	0.9020	1.1226	0.2956	2.2824	2.3223	12.9431
10	1.0655	0.8785	1.0514	0.2952	0.9106	1.1453	0.2951	1.9551	2.0217	4.4365
15	1.1457	0.8714	1.0266	0.2943	0.9197	1.1676	0.2946	1.7882	1.8775	2.3533
20	1.2495	0.8646	1.0013	0.2929	0.9293	1.1893	0.2940	1.6787	1.7885	1.4972
25	1.3743	0.8581	0.9755	0.2910	0.9395	1.2107	0.2937	1.5975	1.7262	1.0556
30	1.5190	0.8518	0.9492	0.2886	0.9503	1.2317	0.2939	1.5329	1.6792	0.7967
35	1.6840	0.8459	0.9225	0.2856	0.9619	1.2524	0.2949	1.4788	1.6420	0.6328
40	1.8718	0.8402	0.8952	0.2821	0.9745	1.2728	0.2975	1.4319	1.6111	0.5243
45	2.0887	0.8348	0.8675	0.2779	0.9882	1.2932	0.3025	1.3897	1.5846	0.4518
50	2.3475	0.8296	0.8393	0.2732	1.0034	1.3138	0.3118	1.3506	1.5609	0.4055
55	2.6778	0.8247	0.8107	0.2680	1.0208	1.3348	0.3292	1.3128	1.5389	0.3823
60	3.1574	0.8200	0.7816	0.2621	1.0415	1.3572	0.3640	1.2748	1.5171	0.3874
65	4.0834	0.8155	0.7521	0.2558	1.0685	1.3826	0.4527	1.2329	1.4932	0.4540
70	0.9768	0.8112	0.7223	0.2488						
75	1.0507	0.8072	0.6920	0.2413						
80	1.1192	0.8034	0.6614	0.2334						
85	1.1812	0.7997	0.6304	0.2249						
90	1.2356	0.7963	0.5992	0.2159						
95	1.2815	0.7931	0.5676	0.2065						
100	1.3179	0.7901	0.5357	0.1966						
105	1.3439	0.7872	0.5035	0.1863						
110	1.3586	0.7846	0.4711	0.1757						
115	1.3611	0.7822	0.4384	0.1647						
120	1.3507	0.7799	0.4055	0.1533						
125	1.3266	0.7778	0.3724	0.1416						
130	1.2881	0.7759	0.3392	0.1297						
135	1.2346	0.7742	0.3057	0.1174						
140	1.1655	0.7727	0.2721	0.1050						
145	1.0803	0.7714	0.2384	0.0923						
150	0.9784	0.7702	0.2046	0.0795						
155	0.8595	0.7692	0.1706	0.0665						
160	0.7233	0.7684	0.1366	0.0533						
165	0.5694	0.7678	0.1025	0.0401						
170	0.3976	0.7674	0.0684	0.0268						
175	0.2078	0.7671	0.0342	0.0134						
180	0.	0.7670	0.	0.						

GAMMA = 0.6000

ALPHA = 9.000

K = 1.600

DC = 2.6100

XR = 1.1384

BR = 1.402081

TR = 61.22

CR = 1.0684

QR = 0.2681E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8959	1.0816	0.2922	0.8959	1.0816	0.2922			
5	1.0190	0.8873	1.0578	0.2911	0.9050	1.1049	0.2932	2.2139	2.2525	12.1352
10	1.0793	0.8792	1.0335	0.2898	0.9145	1.1279	0.2942	1.8970	1.9615	4.1790
15	1.1719	0.8715	1.0088	0.2882	0.9247	1.1505	0.2954	1.7347	1.8213	2.2314
20	1.2917	0.8641	0.9837	0.2862	0.9356	1.1727	0.2971	1.6272	1.7339	1.4320
25	1.4371	0.8571	0.9580	0.2838	0.9473	1.1947	0.2998	1.5468	1.6720	1.0208
30	1.6093	0.8504	0.9320	0.2810	0.9599	1.2168	0.3039	1.4821	1.6248	0.7818
35	1.8128	0.8441	0.9054	0.2777	0.9737	1.2384	0.3106	1.4272	1.5867	0.6335
40	2.0587	0.8380	0.8784	0.2738	0.9891	1.2604	0.3216	1.3785	1.5543	0.5402
45	2.3719	0.8322	0.8510	0.2695	1.0067	1.2831	0.3407	1.3334	1.5254	0.4863
50	2.8167	0.8267	0.8232	0.2646	1.0275	1.3071	0.3770	1.2894	1.4980	0.4702
55	3.6224	0.8215	0.7949	0.2593	1.0543	1.3344	0.4625	1.2430	1.4694	0.5176
60	7.2538	0.8165	0.7663	0.2534	1.0998	1.3736	0.9489	1.1807	1.4304	0.9759
65	0.9273	0.8117	0.7372	0.2470						
70	1.0074	0.8072	0.7078	0.2400						
75	1.0828	0.8030	0.6760	0.2326						
80	1.1525	0.7989	0.6479	0.2248						
85	1.2154	0.7951	0.6175	0.2164						
90	1.2706	0.7915	0.5867	0.2077						
95	1.3169	0.7881	0.5557	0.1985						
100	1.3535	0.7850	0.5244	0.1889						
105	1.3794	0.7820	0.4928	0.1789						
110	1.3937	0.7792	0.4610	0.1686						
115	1.3957	0.7767	0.4290	0.1579						
120	1.3844	0.7743	0.3968	0.1470						
125	1.3591	0.7721	0.3644	0.1357						
130	1.3192	0.7702	0.3318	0.1242						
135	1.2639	0.7684	0.2991	0.1125						
140	1.1928	0.7668	0.2662	0.1005						
145	1.1053	0.7654	0.2332	0.0883						
150	1.0008	0.7642	0.2001	0.0760						
155	0.8790	0.7632	0.1669	0.0636						
160	0.7395	0.7623	0.1336	0.0510						
165	0.5821	0.7617	0.1002	0.0383						
170	0.4064	0.7612	0.0669	0.0256						
175	0.2124	0.7609	0.0334	0.0128						
180	0.	0.7609	0.	0.						

GAMMA = 0.6000

ALPHA = 9.000

K = 1.800

DC = 2.6622

XR = 1.1344

BR = 1.372359

TR = 54.14

CR = 0.9450

QR = 0.2173E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8977	1.0670	0.2907	0.8977	1.0670	0.2907			
5	1.0240	0.8884	1.0431	0.2885	0.9076	1.0997	0.2931	2.1554	2.1930	11.4696
10	1.0941	0.8796	1.0188	0.2863	0.9181	1.1140	0.2958	1.8471	1.9098	3.9700
15	1.2002	0.8713	0.9940	0.2839	0.9294	1.1370	0.2992	1.6883	1.7727	2.1351
20	1.3380	0.8634	0.9689	0.2813	0.9417	1.1599	0.3039	1.5823	1.6844	1.3830
25	1.5081	0.8560	0.9434	0.2784	0.9550	1.1828	0.3105	1.5023	1.6246	0.9984
30	1.7160	0.8489	0.9174	0.2751	0.9697	1.2058	0.3206	1.4369	1.5767	0.7783
35	1.9760	0.8421	0.8910	0.2714	0.9862	1.2293	0.3367	1.3804	1.5371	0.6475
40	2.3224	0.8357	0.8642	0.2673	1.0054	1.2539	0.3644	1.3288	1.5022	0.5762
45	2.8541	0.8296	0.8370	0.2627	1.0289	1.2806	0.4194	1.2784	1.4691	0.5619
50	4.0275	0.8239	0.8095	0.2576	1.0615	1.3129	0.5742	1.2234	1.4332	0.6670
55	0.7816	0.8183	0.7815	0.2521						
60	0.8695	0.8130	0.7532	0.2462						
65	0.9547	0.8081	0.7245	0.2397						
70	1.0362	0.8033	0.6954	0.2328						
75	1.1128	0.7989	0.6660	0.2254						
80	1.1836	0.7947	0.6363	0.2176						
85	1.2473	0.7907	0.6063	0.2094						
90	1.3030	0.7869	0.5761	0.2008						
95	1.3497	0.7834	0.5455	0.1918						
100	1.3863	0.7801	0.5147	0.1824						
105	1.4121	0.7770	0.4837	0.1727						
110	1.4260	0.7741	0.4524	0.1626						
115	1.4272	0.7715	0.4209	0.1523						
120	1.4151	0.7690	0.3893	0.1416						
125	1.3886	0.7667	0.3574	0.1307						
130	1.3473	0.7647	0.3254	0.1196						
135	1.2905	0.7629	0.2933	0.1082						
140	1.2175	0.7612	0.2610	0.0967						
145	1.1278	0.7598	0.2287	0.0850						
150	1.0210	0.7585	0.1962	0.0731						
155	0.8965	0.7574	0.1636	0.0611						
160	0.7641	0.7566	0.1310	0.0490						
165	0.6935	0.7559	0.0983	0.0368						
170	0.4144	0.7554	0.0655	0.0246						
175	0.2166	0.7551	0.0328	0.0129						
180	0.	0.7550	0.	0.						

GAMMA = 0.6000

ALPHA = 9.000

K = 2.000

DC = 2.7100

XR = 1.1312

BR = 1.348038

TR = 48.53

CR = 0.8478

QR = 0.1825E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8892	1.0549	0.2908	0.8892	1.0549	0.2908			
5	1.0293	0.8892	1.0307	0.2873	0.9099	1.0789	0.2946	2.18046	2.1412	10.9099
10	1.1097	0.8798	1.0063	0.2841	0.9215	1.1026	0.2999	1.8036	1.8648	3.7968
15	1.2307	0.8710	0.9815	0.2810	0.9339	1.1263	0.3054	1.6473	1.7298	2.0578
20	1.3888	0.8626	0.9563	0.2777	0.9476	1.1500	0.3129	1.5425	1.6443	1.3667
25	1.5890	0.8557	0.9308	0.2742	0.9627	1.1740	0.3261	1.4822	1.5822	0.9864
30	1.8453	0.8472	0.9049	0.2704	0.9798	1.1986	0.3452	1.3957	1.5331	0.7861
35	2.1941	0.8401	0.8786	0.2664	0.9999	1.2248	0.3778	1.3366	1.4912	0.6785
40	2.7448	0.8334	0.8520	0.2619	1.0247	1.2532	0.4431	1.2801	1.4522	0.6493
45	4.0546	0.8270	0.8249	0.2571	1.0602	1.2888	0.6397	1.2184	1.4102	0.7798
50	0.7133	0.8209	0.7976	0.2518						
55	0.8046	0.8151	0.7698	0.2462						
60	0.8940	0.8097	0.7418	0.2401						
65	0.9807	0.8045	0.7134	0.2336						
70	1.0634	0.7996	0.6846	0.2266						
75	1.1412	0.7949	0.6558	0.2193						
80	1.2128	0.7905	0.6262	0.2116						
85	1.2871	0.7864	0.5966	0.2034						
90	1.3633	0.7825	0.5667	0.1949						
95	1.3801	0.7788	0.5366	0.1860						
100	1.4168	0.7754	0.5062	0.1768						
105	1.4423	0.7722	0.4756	0.1673						
110	1.4558	0.7692	0.4448	0.1575						
115	1.4563	0.7665	0.4138	0.1474						
120	1.4432	0.7639	0.3827	0.1370						
125	1.4157	0.7616	0.3513	0.1264						
130	1.3731	0.7595	0.3199	0.1156						
135	1.3147	0.7576	0.2882	0.1046						
140	1.2399	0.7559	0.2565	0.0934						
145	1.1483	0.7544	0.2247	0.0821						
150	1.0393	0.7531	0.1927	0.0706						
155	0.9124	0.7520	0.1607	0.0590						
160	0.7674	0.7511	0.1287	0.0473						
165	0.6039	0.7504	0.0965	0.0356						
170	0.4216	0.7499	0.0644	0.0237						
175	0.2203	0.7496	0.0322	0.0119						
180	0.	0.7495	0.	0.						

GAMMA=0.6000 ALPHA= 9.000 K= 2.20

DC= 2.7541 XR= 1.12861 BR= 1.32776
TR=44.0652 CR= 0.76908 QR=15.73355

THETA	ST	X1	B1	S1
0	1.0000	0.9006	1.0447	0.2919
5	1.0349	0.8899	1.0202	0.2872
10	1.1263	0.8799	0.9955	0.2830
15	1.2631	0.8705	0.9706	0.2789
20	1.4449	0.8617	0.9453	0.2750
25	1.6825	0.8533	0.9198	0.2709
30	2.0073	0.8455	0.8939	0.2667
35	2.5118	0.8380	0.8677	0.2622
40	3.6318	0.8310	0.8412	0.2575
45	0.6402	0.8243	0.8143	0.2524
50	0.7336	0.8180	0.7871	0.2469
55	0.8264	0.8120	0.7596	0.2411
60	0.9174	0.8063	0.7317	0.2349
65	1.0054	0.8010	0.7035	0.2283
70	1.0893	0.7959	0.6751	0.2214
75	1.1680	0.7911	0.6463	0.2140
80	1.2403	0.7865	0.6173	0.2063
85	1.3052	0.7823	0.5880	0.1982
90	1.3617	0.7782	0.5584	0.1898
95	1.4087	0.7745	0.5287	0.1811
100	1.4452	0.7709	0.4987	0.1720
105	1.4704	0.7676	0.4685	0.1627
110	1.4834	0.7646	0.4381	0.1530
115	1.4833	0.7617	0.4075	0.1431
120	1.4693	0.7591	0.3768	0.1330
125	1.4407	0.7567	0.3459	0.1227
130	1.3968	0.7546	0.3149	0.1122
135	1.3369	0.7526	0.2837	0.1014
140	1.2605	0.7509	0.2525	0.0906
145	1.1671	0.7493	0.2211	0.0795
150	1.0560	0.7480	0.1897	0.0684
155	0.9269	0.7469	0.1582	0.0572
160	0.7795	0.7460	0.1266	0.0458
165	0.6133	0.7452	0.0950	0.0344
170	0.4281	0.7447	0.0634	0.0230
175	0.2237	0.7444	0.0317	0.0111
180	0.	0.7443	0.	0.

GAMMA=0.6000 ALPHA= 9.000 K= 2.60

DC= 2.8340 XR= 1.12461 BR= 1.29587
TR=37.1997 CR= 0.64926 QR=12.33482

THETA	ST	X1	B1	S1
0	1.0000	0.9027	1.0282	0.2968
5	1.0468	0.8907	1.0030	0.2891
10	1.1622	0.8795	0.9779	0.2826
15	1.3354	0.8692	0.9526	0.2768
20	1.5763	0.8595	0.9271	0.2715
25	1.9252	0.8504	0.9015	0.2663
30	2.5229	0.8419	0.8756	0.2611
35	4.3742	0.8339	0.8494	0.2559
40	0.5788	0.8263	0.8230	0.2505
45	0.6752	0.8191	0.7963	0.2449
50	0.7719	0.8124	0.7693	0.2390
55	0.8676	0.8060	0.7421	0.2329
60	0.9612	0.7999	0.7145	0.2264
65	1.0516	0.7942	0.6868	0.2197
70	1.1374	0.7888	0.6587	0.2126
75	1.2176	0.7837	0.6304	0.2052
80	1.2911	0.7790	0.6019	0.1975
85	1.3568	0.7744	0.5732	0.1895
90	1.4137	0.7702	0.5442	0.1813
95	1.4607	0.7662	0.5150	0.1727
100	1.4969	0.7625	0.4857	0.1639
105	1.5214	0.7590	0.4561	0.1548
110	1.5333	0.7558	0.4264	0.1455
115	1.5318	0.7529	0.3966	0.1360
120	1.5161	0.7501	0.3666	0.1263
125	1.4854	0.7476	0.3365	0.1164
130	1.4391	0.7453	0.3063	0.1063
135	1.3765	0.7433	0.2759	0.0961
140	1.2971	0.7414	0.2455	0.0857
145	1.2003	0.7398	0.2150	0.0753
150	1.0856	0.7384	0.1844	0.0647
155	0.9525	0.7373	0.1538	0.0540
160	0.8007	0.7363	0.1231	0.0433
165	0.6299	0.7356	0.0923	0.0325
170	0.4396	0.7350	0.0616	0.0217
175	0.2297	0.7347	0.0308	0.0109
180	0.	0.7346	0.	0.

GAMMA=0.6000 ALPHA= 9.000 K= 3.00

DC= 2.19053 XR= 1.12168 BR= 1.27191
TR=32.2075 CR= 0.56213 QR=10.14990

THETA	ST	X1	B1	S1
0	1.0000	0.9044	1.0156	0.3040
5	1.0598	0.8911	0.9896	0.2930
10	1.2017	0.8789	0.9638	0.2841
15	1.4190	0.8676	0.9381	0.2765
20	1.7437	0.8571	0.9124	0.2696
25	2.3062	0.8474	0.8865	0.2633
30	4.0635	0.8383	0.8605	0.2572
35	0.6205	0.8297	0.8344	0.2512
40	0.8088	0.8215	0.8080	0.2452
45	0.9882	0.8141	0.7814	0.2391
50	0.8077	0.8069	0.7546	0.2328
55	0.9060	0.8002	0.7275	0.2264
60	1.0018	0.7938	0.7003	0.2197
65	1.0940	0.7879	0.6728	0.2128
70	1.1814	0.7822	0.6451	0.2056
75	1.2620	0.7768	0.6172	0.1982
80	1.3372	0.7713	0.5891	0.1905
85	1.4038	0.7662	0.5607	0.1825
90	1.4604	0.7613	0.5322	0.1743
95	1.5073	0.7568	0.5036	0.1659
100	1.5430	0.7524	0.4748	0.1573
105	1.5686	0.7481	0.4458	0.1484
110	1.5837	0.7437	0.4167	0.1393
115	1.5884	0.7394	0.3874	0.1301
120	1.5830	0.7351	0.3580	0.1207
125	1.5243	0.7302	0.3285	0.1112
130	1.4358	0.7256	0.2990	0.1015
135	1.4107	0.7213	0.2693	0.0917
140	1.3286	0.7168	0.2396	0.0817
145	1.2288	0.7121	0.2098	0.0717
150	1.1209	0.7072	0.1799	0.0616
155	0.9744	0.7025	0.1500	0.0515
160	0.8188	0.6976	0.1201	0.0412
165	0.6440	0.6928	0.0901	0.0310
170	0.4496	0.6876	0.0601	0.0207
175	0.2348	0.6825	0.0300	0.0103
180	0.	0.6777	0.	0.

GAMMA=0.6000 ALPHA= 9.000 K= 4.00

DC= 3.05087 XR= 1.111692 BR= 1.23189
TR=24.21471 CR= 0.42145 QR= 7.04791

THETA	ST	X1	B1	S1
0	1.0000	0.9075	0.9939	0.3278
5	1.0962	0.8910	0.9657	0.3072
10	1.3175	0.8763	0.9383	0.2916
15	1.7000	0.8630	0.9114	0.2792
20	2.5560	0.8508	0.8848	0.2688
25	0.3677	0.8396	0.8583	0.2596
30	0.4680	0.8292	0.8320	0.2514
35	0.5715	0.8196	0.8056	0.2436
40	0.6770	0.8105	0.7792	0.2362
45	0.7831	0.8021	0.7527	0.2290
50	0.8884	0.7942	0.7261	0.2218
55	0.9917	0.7868	0.6993	0.2146
60	1.0919	0.7798	0.6725	0.2074
65	1.1876	0.7732	0.6455	0.2000
70	1.2777	0.7670	0.6184	0.1926
75	1.3611	0.7612	0.5912	0.1850
80	1.4366	0.7558	0.5638	0.1772
85	1.5032	0.7507	0.5363	0.1693
90	1.5599	0.7459	0.5087	0.1613
95	1.6057	0.7414	0.4810	0.1531
100	1.6396	0.7372	0.4532	0.1447
105	1.6609	0.7334	0.4253	0.1362
110	1.6688	0.7297	0.3973	0.1277
115	1.6621	0.7264	0.3692	0.1190
120	1.6405	0.7234	0.3411	0.1102
125	1.6033	0.7206	0.3128	0.1013
130	1.5497	0.7180	0.2846	0.0923
135	1.4792	0.7158	0.2562	0.0832
140	1.3912	0.7137	0.2279	0.0741
145	1.2852	0.7119	0.1995	0.0650
150	1.1607	0.7104	0.1710	0.0558
155	1.0171	0.7091	0.1426	0.0465
160	0.8542	0.7080	0.1141	0.0373
165	0.6714	0.7072	0.0856	0.0280
170	0.4683	0.7066	0.0571	0.0186
175	0.2446	0.7063	0.0285	0.0093
180	0.	0.7062	0.	0.

SAMNA * 0.6000

ALPHA * 10.000

K * 0.200

DC * 1.7876 XO * 116918 BO * 2.281508 V2 * -0.3087E 01

THEYA	ST	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.8722	1.5240	0.5368	0.8722	1.5240	0.5368			
5	0.9994	0.8705	1.4928	0.5398	0.8740	1.5543	0.5795	3.4998	3.15821	31.9467
10	1.0119	0.8687	1.4609	0.5417	0.8759	1.5838	0.6280	2.9755	3.0794	10.17921
15	1.0470	0.8670	1.4281	0.5427	0.8777	1.6125	0.6698	2.7124	2.8512	5.5947
20	1.0954	0.8653	1.3946	0.5428	0.8796	1.6403	0.7040	2.5497	2.7134	3.1611
25	1.1550	0.8636	1.3602	0.5417	0.8814	1.6673	0.7576	2.4229	2.6205	2.3392
30	1.2240	0.8619	1.3251	0.5396	0.8832	1.6936	0.8508	2.3303	2.5536	1.5819
35	1.3011	0.8603	1.2891	0.5363	0.8851	1.7190	0.9435	2.2565	2.5033	1.2586
40	1.3849	0.8587	1.2525	0.5319	0.8870	1.7438	0.9558	2.1959	2.4545	0.9895
45	1.4741	0.8572	1.2150	0.5264	0.8888	1.7673	0.9278	2.1450	2.4338	0.7632
50	1.5676	0.8557	1.1768	0.5196	0.8907	1.7903	0.8519	2.1014	2.4092	0.6109
55	1.6641	0.8542	1.1380	0.5117	0.8925	1.8125	0.6510	2.0688	2.3892	0.4965
60	1.7625	0.8528	1.0984	0.5026	0.8944	1.8340	0.5023	2.0309	2.3728	0.4064
65	1.8618	0.8514	1.0581	0.4924	0.8962	1.8547	0.4935	2.0018	2.3591	0.3362
70	1.9607	0.8501	1.0172	0.4809	0.8980	1.8746	0.4667	1.9760	2.3477	0.2802
75	2.0583	0.8488	0.9756	0.4689	0.8999	1.8936	0.4759	1.9529	2.3382	0.2351
80	2.1534	0.8475	0.9334	0.4564	0.9018	1.9122	0.4671	1.9321	2.3301	0.1982
85	2.2451	0.8463	0.8906	0.4439	0.9039	1.9309	0.4584	1.9134	2.3233	0.1680
90	2.3325	0.8452	0.8472	0.4308	0.9051	1.9476	0.4499	1.8964	2.3175	0.1429
95	2.4146	0.8441	0.8033	0.4168	0.9068	1.9634	0.4416	1.8809	2.3126	0.1221
100	2.4906	0.8431	0.7588	0.4028	0.9084	1.9781	0.4335	1.8668	2.3083	0.1046
105	2.5597	0.8422	0.7139	0.3896	0.9101	1.9942	0.4257	1.8540	2.3047	0.0900
110	2.6212	0.8412	0.6685	0.3766	0.9117	2.0086	0.4183	1.8421	2.3016	0.0776
115	2.6744	0.8404	0.6226	0.3627	0.9133	2.0228	0.4111	1.8313	2.2999	0.0672
120	2.7189	0.8396	0.5763	0.3489	0.9149	2.0357	0.4044	1.8213	2.2966	0.0584
125	2.7541	0.8389	0.5297	0.3343	0.9164	2.0484	0.3981	1.8121	2.2946	0.0510
130	2.7796	0.8382	0.4827	0.3199	0.9179	2.0606	0.3923	1.8039	2.2929	0.0447
135	2.7961	0.8376	0.4353	0.3059	0.9193	2.0720	0.3869	1.7958	2.2914	0.0394
140	2.8080	0.8370	0.3877	0.2912	0.9208	2.0830	0.3820	1.7886	2.2901	0.0349
145	2.8166	0.8366	0.3398	0.2768	0.9221	2.0938	0.3777	1.7819	2.2890	0.0312
150	2.8205	0.8361	0.2917	0.2612	0.9235	2.1036	0.3739	1.7757	2.2880	0.0282
155	2.8252	0.8358	0.2434	0.2450	0.9248	2.1131	0.3706	1.7699	2.2872	0.0257
160	2.8200	0.8353	0.1949	0.2284	0.9260	2.1223	0.3680	1.7646	2.2864	0.0237
165	2.8153	0.8353	0.1463	0.2116	0.9273	2.1309	0.3659	1.7596	2.2858	0.0223
170	2.8115	0.8351	0.0976	0.1945	0.9284	2.1392	0.3644	1.7550	2.2852	0.0212
175	2.8084	0.8350	0.0488	0.1773	0.9296	2.1470	0.3635	1.7507	2.2848	0.0206
180	2.8055	0.8350	0.	0.	0.9307	2.1545	0.3632	1.7468	2.2843	0.0204

SAMNA * 0.6000

ALPHA * 10.000

K * 0.400

DC * 2.10154 XO * 114182 BO * 1.948208 V2 * -0.3115E 01

THEYA	ST	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.8723	1.3517	0.4057	0.8823	1.3417	0.4380			
5	0.9973	0.8729	1.3249	0.4093	0.8852	1.3677	0.4338	2.9692	3.0219	22.6293
10	1.0202	0.8716	1.2874	0.4120	0.8881	1.3929	0.4290	2.5316	2.8191	7.6484
15	1.0604	0.8739	1.2591	0.4139	0.8911	1.4174	0.4236	2.3121	2.4292	3.9858
20	1.1148	0.8712	1.2300	0.4150	0.8941	1.4411	0.4177	2.1714	2.1946	2.4472
25	1.1811	0.8686	1.2002	0.4152	0.8972	1.4640	0.4113	2.0706	2.2375	1.6600
30	1.2575	0.8660	1.1696	0.4145	0.9003	1.4861	0.4044	1.9933	2.1818	1.1949
35	1.3423	0.8635	1.1383	0.4128	0.9034	1.5075	0.3973	1.9316	2.1400	0.8958
40	1.4340	0.8611	1.1063	0.4102	0.9066	1.5281	0.3897	1.8807	2.1077	0.6917
45	1.5312	0.8587	1.0736	0.4067	0.9098	1.5480	0.3820	1.8379	2.0821	0.5461
50	1.6323	0.8564	1.0402	0.4022	0.9130	1.5671	0.3740	1.8012	2.0615	0.4388
55	1.7361	0.8542	1.0062	0.3967	0.9162	1.5854	0.3658	1.7693	2.0447	0.3576
60	1.8411	0.8520	0.9714	0.3902	0.9194	1.6031	0.3575	1.7413	2.0308	0.2947
65	1.9480	0.8500	0.9361	0.3828	0.9226	1.6201	0.3492	1.7165	2.0192	0.2453
70	2.0569	0.8480	0.9001	0.3749	0.9259	1.6366	0.3408	1.6943	2.0095	0.2058
75	2.1680	0.8461	0.8635	0.3650	0.9291	1.6520	0.3325	1.6744	2.0013	0.1789
80	2.2819	0.8443	0.8263	0.3546	0.9323	1.6669	0.3242	1.6564	1.9943	0.1478
85	2.3983	0.8425	0.7886	0.3434	0.9355	1.6812	0.3161	1.6401	1.9884	0.1265
90	2.5268	0.8408	0.7503	0.3312	0.9388	1.6948	0.3081	1.6252	1.9833	0.1086
95	2.6563	0.8393	0.7115	0.3182	0.9420	1.7079	0.3004	1.6115	1.9789	0.0937
100	2.7880	0.8378	0.6723	0.3043	0.9451	1.7203	0.2928	1.5990	1.9751	0.0813
105	2.9211	0.8364	0.6326	0.2896	0.9483	1.7322	0.2856	1.5875	1.9718	0.0708
110	2.9947	0.8350	0.5924	0.2740	0.9514	1.7435	0.2787	1.5768	1.9690	0.0619
115	2.1381	0.8338	0.5518	0.2578	0.9545	1.7542	0.2721	1.5670	1.9655	0.0543
120	2.7710	0.8327	0.5109	0.2408	0.9576	1.7645	0.2660	1.5578	1.9643	0.0479
125	2.7928	0.8316	0.4696	0.2232	0.9607	1.7742	0.2602	1.5493	1.9624	0.0425
130	2.8030	0.8306	0.4279	0.2059	0.9637	1.7833	0.2548	1.5415	1.9608	0.0379
135	2.8016	0.8298	0.3860	0.1881	0.9666	1.7923	0.2499	1.5342	1.9593	0.0340
140	2.7982	0.8290	0.3438	0.1698	0.9694	1.8008	0.2455	1.5272	1.9580	0.0307
145	2.7930	0.8283	0.3014	0.1510	0.9724	1.8088	0.2415	1.5208	1.9569	0.0279
150	2.7759	0.8277	0.2587	0.1327	0.9753	1.8160	0.2380	1.5148	1.9559	0.0257
155	2.7672	0.8272	0.2159	0.1142	0.9781	1.8231	0.2351	1.5092	1.9550	0.0238
160	2.7572	0.8268	0.1729	0.0953	0.9808	1.8299	0.2327	1.5040	1.9543	0.0224
165	2.7453	0.8264	0.1298	0.0762	0.9835	1.8362	0.2306	1.4991	1.9536	0.0212
170	2.7348	0.8262	0.0866	0.0549	0.9861	1.8423	0.2293	1.4944	1.9530	0.0206
175	2.7247	0.8261	0.0433	0.0315	0.9887	1.8480	0.2285	1.4901	1.9525	0.0200
180	2.7163	0.8260	0.	0.	0.9913	1.8534	0.2282	1.4860	1.9520	0.0199

GAMMA = 0.6000

ALPHA = 10.000

K = 0.600

DC = 2.1536	NR = 1.1948	BR = 1.753201	TR = 101.17	CR = 4.5174	QR = 0.5791E 04					
INETA	ST	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.8889	1.2525	0.3497	0.8889	1.2525	0.3497			
5	0.9995	0.8851	1.2278	0.3533	0.8927	1.2765	0.3454	2.7004	2.7481	18.5089
10	1.0261	0.8814	1.2023	0.3562	0.8967	1.2997	0.3405	2.3067	2.3860	6.2616
15	1.0665	0.8779	1.1761	0.3583	0.9007	1.3222	0.3350	2.1091	2.2152	3.2510
20	1.1235	0.8744	1.1491	0.3597	0.9048	1.3440	0.3289	1.9825	2.1123	2.0103
25	1.1928	0.8710	1.1215	0.3602	0.9090	1.3649	0.3223	1.8913	2.0426	1.3677
30	1.2722	0.8677	1.0931	0.3600	0.9132	1.3852	0.3153	1.8213	1.9923	0.9883
35	1.3600	0.8645	1.0640	0.3589	0.9176	1.4047	0.3078	1.7651	1.9544	0.7445
40	1.4542	0.8614	1.0342	0.3570	0.9220	1.4234	0.2999	1.7186	1.9249	0.5781
45	1.5531	0.8584	1.0037	0.3541	0.9265	1.4415	0.2918	1.6792	1.9013	0.4595
50	1.6550	0.8555	0.9726	0.3505	0.9310	1.4588	0.2833	1.6482	1.8823	0.3720
55	1.7583	0.8527	0.9409	0.3459	0.9356	1.4754	0.2746	1.6156	1.8665	0.3057
60	1.8614	0.8500	0.9085	0.3404	0.9403	1.4912	0.2657	1.5893	1.8535	0.2544
65	1.9627	0.8474	0.8755	0.3341	0.9450	1.5065	0.2567	1.5658	1.8424	0.2139
70	2.0607	0.8449	0.8419	0.3269	0.9498	1.5210	0.2476	1.5447	1.8331	0.1815
75	2.1538	0.8426	0.8077	0.3188	0.9546	1.5349	0.2384	1.5255	1.8251	0.1553
80	2.2408	0.8403	0.7730	0.3099	0.9595	1.5481	0.2291	1.5080	1.8182	0.1338
85	2.3202	0.8381	0.7377	0.3002	0.9644	1.5607	0.2200	1.4919	1.8122	0.1160
90	2.3907	0.8361	0.7020	0.2896	0.9694	1.5727	0.2108	1.4771	1.8069	0.1012
95	2.4511	0.8341	0.6657	0.2783	0.9744	1.5841	0.2018	1.4634	1.8024	0.0887
100	2.5002	0.8323	0.6290	0.2662	0.9794	1.5949	0.1928	1.4506	1.7983	0.0782
105	2.5369	0.8306	0.5919	0.2534	0.9845	1.6032	0.1841	1.4387	1.7948	0.0692
110	2.5948	0.8290	0.5543	0.2398	0.9896	1.6130	0.2239	1.4275	1.7916	0.0854
115	2.6905	0.8275	0.5164	0.2255	0.9948	1.6242	0.2126	1.4170	1.7887	0.0741
120	2.6419	0.8261	0.4781	0.2108	1.0000	1.6329	0.2040	1.4070	1.7862	0.0661
125	2.6900	0.8248	0.4394	0.1955	1.0052	1.6412	0.1968	1.3977	1.7839	0.0598
130	2.6901	0.8236	0.4005	0.1794	1.0104	1.6490	0.1906	1.3888	1.7819	0.0548
135	2.6902	0.8225	0.3612	0.1630	1.0157	1.6563	0.1851	1.3803	1.7800	0.0506
140	2.6902	0.8216	0.3217	0.1460	1.0210	1.6633	0.1802	1.3722	1.7783	0.0472
145	2.6902	0.8208	0.2820	0.1287	1.0263	1.6698	0.1760	1.3645	1.7767	0.0444
150	2.6902	0.8200	0.2421	0.1110	1.0316	1.6760	0.1723	1.3571	1.7753	0.0421
155	2.6902	0.8194	0.2020	0.0930	1.0370	1.6818	0.1693	1.3500	1.7740	0.0402
160	2.6902	0.8189	0.1618	0.0747	1.0424	1.6873	0.1668	1.3431	1.7728	0.0387
165	2.6902	0.8185	0.1214	0.0562	1.0478	1.6924	0.1648	1.3365	1.7718	0.0376
170	2.6902	0.8182	0.0810	0.0376	1.0533	1.6972	0.1634	1.3300	1.7706	0.0368
175	2.6902	0.8181	0.0405	0.0188	1.0588	1.7018	0.1626	1.3238	1.7696	0.0364
180	2.6902	0.8180	0.0	0.0	1.0644	1.7061	0.1623	1.3177	1.7687	0.0362

GAMMA = 0.6000

ALPHA = 10.000

K = 0.800

DC = 2.2535	NR = 1.1618	BR = 1.620906	TR = 149.96	CR = 2.6174	QR = 0.3782E 03					
INETA	ST	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.8937	1.1971	0.3187	0.8937	1.1971	0.3187			
5	1.0031	0.8891	1.1735	0.3221	0.8984	1.2206	0.3147	2.5261	2.5705	16.0576
10	1.0324	0.8847	1.1492	0.3249	0.9033	1.2421	0.3100	2.1609	2.2348	5.4401
15	1.0813	0.8803	1.1242	0.3269	0.9083	1.2635	0.3048	1.9873	2.0762	2.8314
20	1.1462	0.8762	1.0984	0.3283	0.9134	1.2842	0.2992	1.8593	1.9805	1.7571
25	1.2247	0.8721	1.0720	0.3289	0.9187	1.3042	0.2930	1.7740	1.9154	1.2012
30	1.3144	0.8682	1.0449	0.3288	0.9241	1.3234	0.2864	1.7082	1.8682	0.8732
35	1.4131	0.8644	1.0171	0.3278	0.9296	1.3420	0.2795	1.6551	1.8323	0.6625
40	1.5189	0.8607	0.9886	0.3261	0.9353	1.3598	0.2722	1.6108	1.8041	0.5188
45	1.6299	0.8572	0.9595	0.3236	0.9412	1.3769	0.2647	1.5731	1.7815	0.4166
50	1.7445	0.8538	0.9298	0.3203	0.9471	1.3933	0.2569	1.5403	1.7630	0.3410
55	1.8609	0.8505	0.8994	0.3161	0.9533	1.4091	0.2489	1.5113	1.7475	0.2839
60	1.9774	0.8474	0.8684	0.3112	0.9596	1.4242	0.2408	1.4854	1.7344	0.2397
65	2.0927	0.8444	0.8369	0.3054	0.9660	1.4388	0.2326	1.4620	1.7232	0.2050
70	2.2052	0.8415	0.8048	0.2988	0.9727	1.4524	0.2245	1.4406	1.7135	0.1774
75	2.3135	0.8388	0.7721	0.2914	0.9795	1.4658	0.2163	1.4209	1.7051	0.1551
80	2.4166	0.8362	0.7389	0.2833	0.9865	1.4782	0.2082	1.4026	1.6976	0.1369
85	2.5133	0.8337	0.7052	0.2744	0.9937	1.4902	0.2002	1.3856	1.6909	0.1221
90	2.6027	0.8313	0.6710	0.2647	1.0011	1.5018	0.1925	1.3695	1.6849	0.1100
95	2.6842	0.8291	0.6363	0.2544	1.0088	1.5125	0.1850	1.3542	1.6795	0.1001
100	2.7574	0.8270	0.6012	0.2433	1.0167	1.5230	0.1778	1.3395	1.6745	0.0920
105	2.8224	0.8250	0.5657	0.2315	1.0250	1.5329	0.1710	1.3254	1.6699	0.0856
110	2.8800	0.8232	0.5298	0.2192	1.0336	1.5425	0.1648	1.3117	1.6655	0.0806
115	2.9319	0.8215	0.4935	0.2062	1.0426	1.5516	0.1592	1.2982	1.6614	0.0770
120	2.9813	0.8199	0.4569	0.1926	1.0522	1.5604	0.1545	1.2848	1.6574	0.0749
125	3.0348	0.8184	0.4200	0.1785	1.0624	1.5689	0.1511	1.2712	1.6535	0.0745
130	3.1048	0.8171	0.3827	0.1639	1.0735	1.5772	0.1496	1.2573	1.6495	0.0763
135	3.1291	0.8159	0.3452	0.1489	1.0859	1.5855	0.1514	1.2425	1.6454	0.0816
140	3.1451	0.8148	0.3075	0.1334	1.1003	1.5940	0.1602	1.2282	1.6408	0.0941
145	3.1076	0.8139	0.2695	0.1175	1.1187	1.6034	0.1914	1.2061	1.6350	0.1288
150	1.0009	0.8130	0.2314	0.1014						
155	0.8807	0.8123	0.1931	0.0849						
160	0.7420	0.8118	0.1546	0.0682						
165	0.5847	0.8113	0.1161	0.0513						
170	0.4086	0.8110	0.0774	0.0343						
175	0.2137	0.8108	0.0387	0.0172						
180	0.1	0.8108	0.1	0.1						

GAMMA = 0.6000

ALPHA = 10.000

K = 1.000

DC = 2.3322 NR = 1.1458 BR = 1.532744 TR = 110.91 CR = 1.9358 QR = 0.1371E 03

THEIA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8974	1.1586	0.2998	0.8974	1.1586	0.2998			
5	1.0068	0.8921	1.1357	0.3028	0.9030	1.1808	0.2962	2.3996	2.4417	14.3878
10	1.0015	0.8869	1.1121	0.3053	0.9087	1.2024	0.2921	2.10547	2.1248	4.8842
15	1.0079	0.8819	1.0878	0.3071	0.9146	1.2232	0.2874	1.8811	1.9749	2.5506
20	1.1722	0.8771	1.0628	0.3082	0.9208	1.2434	0.2824	1.7692	1.8842	1.5905
25	1.12615	0.8725	1.0372	0.3087	0.9271	1.2629	0.2770	1.6878	1.8221	1.0939
30	1.13634	0.8680	1.0109	0.3085	0.9337	1.2817	0.2712	1.6246	1.7767	0.8013
35	1.14758	0.8637	0.9839	0.3075	0.9405	1.2998	0.2652	1.5732	1.7419	0.6135
40	1.15967	0.8595	0.9563	0.3058	0.9476	1.3179	0.2589	1.5301	1.7144	0.4857
45	1.17246	0.8556	0.9281	0.3034	0.9549	1.3341	0.2525	1.4929	1.6919	0.3949
50	1.18580	0.8517	0.8993	0.3002	0.9626	1.3503	0.2461	1.4602	1.6733	0.3284
55	1.19957	0.8481	0.8899	0.2962	0.9705	1.3669	0.2397	1.4310	1.6574	0.2784
60	2.1368	0.8446	0.8398	0.2915	0.9788	1.3810	0.2334	1.4045	1.6438	0.2403
65	2.12809	0.8412	0.8093	0.2860	0.9875	1.3935	0.2274	1.3800	1.6318	0.2109
70	2.1281	0.8380	0.7782	0.2798	0.9967	1.4094	0.2219	1.3572	1.6211	0.1883
75	2.15796	0.8349	0.7465	0.2728	1.0064	1.4229	0.2170	1.3357	1.6114	0.1712
80	2.17383	0.8320	0.7144	0.2651	1.0167	1.4361	0.2131	1.3150	1.6025	0.1567
85	2.19098	0.8293	0.6818	0.2567	1.0278	1.4489	0.2107	1.2949	1.5940	0.1506
90	3.1062	0.8267	0.6487	0.2477	1.0400	1.4615	0.2107	1.2748	1.5859	0.1471
95	3.13533	0.8242	0.6151	0.2379	1.0536	1.4742	0.2151	1.2544	1.5777	0.1497
100	3.17185	0.8219	0.5812	0.2275	1.0695	1.4871	0.2287	1.2325	1.5691	0.1627
105	4.4483	0.8197	0.5468	0.2165	1.0896	1.5014	0.2685	1.2073	1.5592	0.2031
110	1.4202	0.8177	0.5121	0.2049						
115	1.4279	0.8158	0.4770	0.1927						
120	1.4217	0.8141	0.4416	0.1800						
125	1.4006	0.8125	0.4059	0.1668						
130	1.3639	0.8110	0.3699	0.1531						
135	1.3106	0.8097	0.3336	0.1391						
140	1.2401	0.8085	0.2971	0.1246						
145	1.1518	0.8075	0.2604	0.1098						
150	1.0450	0.8066	0.2236	0.0947						
155	0.9194	0.8058	0.1865	0.0793						
160	0.7746	0.8052	0.1494	0.0637						
165	0.6104	0.8047	0.1121	0.0479						
170	0.4266	0.8044	0.0748	0.0320						
175	0.2231	0.8042	0.0374	0.0160						
180	0.	0.8041	0.	0.						

GAMMA = 0.6000

ALPHA = 10.000

K = 1.200

DC = 2.3974 NR = 1.1361 BR = 1.469943 TR = 89.12 CR = 1.5555 QR = 0.7671E 02

THEIA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9004	1.11301	0.2878	0.9004	1.11301	0.2878			
5	1.0106	0.8943	1.1075	0.2903	0.9067	1.1320	0.2848	2.3016	2.3418	13.1581
10	1.0515	0.8885	1.0843	0.2923	0.9133	1.1732	0.2814	1.9725	2.0795	4.4780
15	1.1164	0.8829	1.0605	0.2937	0.9201	1.1938	0.2776	1.8064	1.8963	2.3403
20	1.2014	0.8775	1.0360	0.2945	0.9273	1.2138	0.2735	1.6986	1.8089	1.4727
25	1.3034	0.8723	1.0109	0.2947	0.9347	1.2332	0.2692	1.6199	1.7488	1.0204
30	1.4202	0.8674	0.9851	0.2943	0.9426	1.2519	0.2644	1.5583	1.7045	0.7542
35	1.5499	0.8626	0.9587	0.2932	0.9508	1.2701	0.2601	1.5078	1.6702	0.5839
40	1.6913	0.8580	0.9318	0.2914	0.9594	1.2877	0.2557	1.4649	1.6426	0.4687
45	1.8439	0.8537	0.9042	0.2889	0.9685	1.3047	0.2515	1.4276	1.6198	0.3876
50	2.0077	0.8495	0.8760	0.2857	0.9781	1.3213	0.2478	1.3942	1.6005	0.3292
55	2.1842	0.8454	0.8473	0.2818	0.9884	1.3375	0.2440	1.3638	1.5837	0.2888
60	2.3767	0.8416	0.8180	0.2772	0.9995	1.3533	0.2404	1.3355	1.5687	0.2563
65	2.5926	0.8380	0.7881	0.2719	1.0116	1.3689	0.2440	1.3086	1.5560	0.2368
70	2.8474	0.8345	0.7578	0.2658	1.0250	1.3845	0.2482	1.2823	1.5421	0.2246
75	3.1773	0.8312	0.7269	0.2591	1.0403	1.4004	0.2592	1.2559	1.5294	0.2248
80	3.6844	0.8280	0.6955	0.2518	1.0587	1.4171	0.2865	1.2279	1.5160	0.2442
85	4.3451	0.8250	0.6637	0.2437	1.0835	1.4367	0.3714	1.1947	1.5002	0.3243
90	1.13207	0.8222	0.6315	0.2350						
95	1.13755	0.8196	0.5988	0.2257						
100	1.14202	0.8171	0.5657	0.2158						
105	1.14536	0.8147	0.5322	0.2053						
110	1.14747	0.8126	0.4984	0.1942						
115	1.14824	0.8105	0.4642	0.1826						
120	1.14757	0.8087	0.4297	0.1706						
125	1.14535	0.8070	0.3949	0.1580						
130	1.14151	0.8054	0.3599	0.1451						
135	1.13596	0.8040	0.3246	0.1317						
140	1.12863	0.8027	0.2891	0.1180						
145	1.11945	0.8016	0.2534	0.1039						
150	1.0837	0.8007	0.2175	0.0896						
155	0.9534	0.7998	0.1815	0.0751						
160	0.8032	0.7992	0.1453	0.0603						
165	0.6329	0.7987	0.1091	0.0454						
170	0.4422	0.7983	0.0728	0.0303						
175	0.2313	0.7981	0.0364	0.0152						
180	0.	0.7980	0.	0.						

GAMMA = 0.6000

ALPHA = 10.000

K = 1.400

DC = 2.4532	XR = 1.1294	BR = 1.422918	TR = 74.87	CR = 1.3068	QR = 0.5175E 02					
THETA	ST	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.9028	1.1080	0.12801	0.9028	1.1080	0.12801			
5	1.0146	0.8960	1.0856	0.12820	0.9098	1.11298	0.12779	2.12221	2.2609	12.2052
10	1.0283	0.8894	1.0627	0.12835	0.9173	1.11509	0.12754	1.19057	1.9703	4.1662
15	1.1368	0.8834	1.0391	0.12843	0.9250	1.11715	0.12727	1.17454	1.8321	2.1954
20	1.2339	0.8775	1.0149	0.12848	0.9332	1.11916	0.12699	1.16408	1.7472	1.3859
25	1.3508	0.8718	0.9901	0.12846	0.9419	1.12111	0.12671	1.15639	1.6886	0.9683
30	1.4858	0.8664	0.9647	0.12839	0.9510	1.12301	0.12645	1.15032	1.6447	0.7234
35	1.6381	0.8613	0.9388	0.12826	0.9608	1.12486	0.12624	1.14529	1.6104	0.5678
40	1.8086	0.8563	0.9122	0.12808	0.9712	1.12668	0.12611	1.14096	1.5824	0.4639
45	1.9999	0.8516	0.8851	0.12780	0.9825	1.12846	0.12612	1.13713	1.5587	0.3927
50	2.2182	0.8471	0.8574	0.12747	0.9948	1.13023	0.12635	1.13363	1.5380	0.3443
55	2.4768	0.8428	0.8292	0.12708	1.0085	1.13200	0.12695	1.13033	1.5193	0.3138
60	2.8065	0.8386	0.8004	0.12662	1.0241	1.13361	0.12828	1.12712	1.5016	0.3004
65	3.2914	0.8347	0.7711	0.12610	1.0428	1.13512	0.13121	1.12384	1.4839	0.3103
70	4.2819	0.8310	0.7413	0.12551	1.0676	1.13792	0.13946	1.12014	1.4641	0.3787
75	1.1477	0.8275	0.7111	0.12485						
80	1.2278	0.8241	0.6803	0.12414						
85	1.3012	0.8209	0.6492	0.12335						
90	1.3666	0.8179	0.6176	0.12251						
95	1.4228	0.8151	0.5855	0.12161						
100	1.4885	0.8125	0.5531	0.12068						
105	1.5027	0.8100	0.5204	0.11964						
110	1.5240	0.8077	0.4873	0.11858						
115	1.5516	0.8055	0.4538	0.11747						
120	1.5243	0.8038	0.4201	0.11631						
125	1.5011	0.8018	0.3861	0.11511						
130	1.4611	0.8001	0.3518	0.11387						
135	1.4036	0.7986	0.3173	0.11259						
140	1.3277	0.7973	0.2826	0.11127						
145	1.2328	0.7961	0.2477	0.10993						
150	1.1183	0.7951	0.2126	0.10856						
155	0.9837	0.7942	0.1774	0.10717						
160	0.8287	0.7935	0.1420	0.10576						
165	0.6529	0.7930	0.1066	0.10433						
170	0.4562	0.7926	0.0711	0.10290						
175	0.2386	0.7924	0.0356	0.10145						
180	0.	0.7923	0.	0.						

GAMMA = 0.6000

ALPHA = 10.000

K = 1.600

DC = 2.15021	XR = 1.1245	BR = 1.386364	TR = 64.72	CR = 1.1296	QR = 0.3862E 02					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9048	1.0903	0.12754	0.9048	1.0903	0.2754			
5	1.0188	0.8974	1.0680	0.12765	0.9126	1.1121	0.2741	2.1559	2.1935	11.4396
10	1.0740	0.8903	1.0452	0.12772	0.9208	1.1334	0.2727	1.8497	1.9123	3.9186
15	1.1591	0.8836	1.0217	0.12776	0.9295	1.1541	0.2714	1.6941	1.9781	2.0762
20	1.2699	0.8772	0.9977	0.12776	0.9388	1.1744	0.2703	1.5918	1.6952	1.3203
25	1.4043	0.8711	0.9732	0.12770	0.9487	1.1943	0.2697	1.5161	1.6372	0.9314
30	1.5619	0.8659	0.9480	0.12760	0.9593	1.2139	0.2699	1.4557	1.5935	0.7047
35	1.7448	0.8598	0.9224	0.12744	0.9708	1.2332	0.2717	1.4050	1.5587	0.5626
40	1.9589	0.8545	0.8961	0.12722	0.9835	1.2524	0.2769	1.3607	1.5297	0.4706
45	2.1271	0.8494	0.8693	0.12695	0.9976	1.2717	0.2845	1.3204	1.5045	0.4124
50	2.5499	0.8446	0.8420	0.12661	1.0139	1.2916	0.3012	1.2823	1.4814	0.3817
55	3.0420	0.8400	0.8142	0.12621	1.0336	1.3128	0.3365	1.2442	1.4589	0.3827
60	4.0530	0.8357	0.7859	0.12575	1.0598	1.3375	0.4343	1.2020	1.4342	0.4556
65	1.0048	0.8315	0.7570	0.12523						
70	1.0970	0.8276	0.7277	0.12464						
75	1.1848	0.8239	0.6979	0.12400						
80	1.2669	0.8203	0.6677	0.12330						
85	1.3420	0.8170	0.6370	0.12253						
90	1.4089	0.8138	0.6060	0.12171						
95	1.4663	0.8109	0.5745	0.12084						
100	1.5129	0.8081	0.5427	0.11991						
105	1.5476	0.8055	0.5105	0.11893						
110	1.5692	0.8031	0.4780	0.11790						
115	1.5765	0.8008	0.4451	0.11682						
120	1.5686	0.7988	0.4120	0.11570						
125	1.5444	0.7969	0.3786	0.11454						
130	1.5030	0.7951	0.3450	0.11334						
135	1.4435	0.7936	0.3111	0.11211						
140	1.3653	0.7922	0.2771	0.11084						
145	1.2875	0.7910	0.2428	0.10955						
150	1.1496	0.7899	0.2084	0.10823						
155	1.0112	0.7890	0.1739	0.10689						
160	0.8517	0.7883	0.1393	0.10554						
165	0.6710	0.7877	0.1045	0.10417						
170	0.4688	0.7873	0.0697	0.10278						
175	0.2452	0.7871	0.0349	0.10139						
180	0.	0.7870	0.	0.						

GAMMA = 0.6000

ALPHA = 10.000

K = 1.800

DC = 2.5457 NR = 1.1207 BR = 1.357119 FR = 57.08 CR = 0.9962 QR = 0.3067E 02										
INTEA	ST	X1	R1	S1	X2	R2	S2	X3	R3	S3
0	1.0000	0.9065	1.0759	0.2728	0.9065	1.0759	0.2728			
5	1.0222	0.8984	1.0535	0.2729	0.9150	1.0978	0.2726	2.0993	2.1958	10.8077
10	1.0865	0.8908	1.0306	0.2730	0.9240	1.1192	0.2725	1.8017	1.8827	2.7155
15	1.1633	0.8836	1.0073	0.2727	0.9337	1.1403	0.2729	1.6697	1.7916	1.9811
20	1.2605	0.8768	0.9834	0.2722	0.9441	1.1610	0.2739	1.5694	1.6501	1.2701
25	1.3846	0.8703	0.9590	0.2712	0.9554	1.1815	0.2763	1.4742	1.5925	0.9059
30	1.5311	0.8641	0.9340	0.2698	0.9677	1.2019	0.2807	1.4137	1.5485	0.6959
35	1.6973	0.8582	0.9085	0.2679	0.9813	1.2223	0.2863	1.3621	1.5128	0.5680
40	2.1622	0.8526	0.8825	0.2655	0.9968	1.2432	0.3032	1.3158	1.4821	0.4915
45	2.5546	0.8472	0.8560	0.2626	1.0152	1.2652	0.3211	1.2721	1.4542	0.4581
50	3.1216	0.8422	0.8290	0.2591	1.0384	1.2890	0.3396	1.2277	1.4283	0.4248
55	5.3479	0.8374	0.8015	0.2550	1.0745	1.3221	0.3620	1.1735	1.3923	0.3706
60	0.9380	0.8328	0.7735	0.2503						
65	1.0355	0.8286	0.7450	0.2451						
70	1.1228	0.8243	0.7161	0.2399						
75	1.2198	0.8204	0.6867	0.2349						
80	1.3035	0.8168	0.6569	0.2290						
85	1.3802	0.8132	0.6266	0.2186						
90	1.4484	0.8099	0.5960	0.2104						
95	1.5068	0.8068	0.5650	0.2019						
100	1.5541	0.8039	0.5337	0.1928						
105	1.5892	0.8012	0.5020	0.1832						
110	1.6109	0.7987	0.4700	0.1732						
115	1.6180	0.7964	0.4377	0.1628						
120	1.6094	0.7942	0.4051	0.1519						
125	1.5842	0.7922	0.3722	0.1406						
130	1.5414	0.7904	0.3392	0.1290						
135	1.4802	0.7888	0.3059	0.1171						
140	1.3997	0.7874	0.2724	0.1048						
145	1.2993	0.7861	0.2387	0.0923						
150	1.1783	0.7850	0.2049	0.0796						
155	1.0363	0.7841	0.1709	0.0666						
160	0.8728	0.7833	0.1369	0.0535						
165	0.6878	0.7827	0.1027	0.0402						
170	0.4804	0.7823	0.0685	0.0269						
175	0.2512	0.7821	0.0343	0.0135						
180	0.1	0.7820	0.1	0.1						

GAMMA = 0.6000

ALPHA = 10.000

K = 2.000

DC = 2.5853 NR = 1.1177 BR = 1.333181 FR = 51.09 CR = 0.8918 QR = 0.2538E 02										
INTEA	ST	X1	R1	S1	X2	R2	S2	X3	R3	S3
0	1.0000	0.9079	1.0638	0.2717	0.9079	1.0638	0.2717			
5	1.0279	0.8993	1.0413	0.2709	0.9171	1.0859	0.2727	2.0501	2.0857	10.2756
10	1.0998	0.8917	1.0184	0.2701	0.9270	1.1076	0.2742	1.7601	1.8195	3.5486
15	1.2094	0.8834	0.9950	0.2692	0.9377	1.1291	0.2768	1.6108	1.6908	1.9041
20	1.3331	0.8761	0.9711	0.2681	0.9493	1.1504	0.2805	1.5118	1.6103	1.2317
25	1.4631	0.8693	0.9468	0.2667	0.9620	1.1717	0.2849	1.4369	1.5527	0.8897
30	1.6077	0.8627	0.9220	0.2649	0.9763	1.1933	0.2975	1.3756	1.5080	0.6964
35	2.0486	0.8565	0.8967	0.2627	0.9926	1.2154	0.3161	1.3223	1.4708	0.5856
40	2.5634	0.8506	0.8708	0.2601	1.0121	1.2380	0.3315	1.2728	1.4375	0.5243
45	3.1210	0.8450	0.8445	0.2569	1.0375	1.2660	0.3463	1.2237	1.4044	0.5590
50	4.7254	0.8397	0.8178	0.2539	1.0620	1.3007	0.3529	1.1575	1.3612	1.0326
55	0.8633	0.8347	0.7905	0.2491						
60	0.9650	0.8299	0.7623	0.2443						
65	1.0646	0.8254	0.7346	0.2391						
70	1.1609	0.8211	0.7060	0.2339						
75	1.2524	0.8170	0.6769	0.2289						
80	1.3379	0.8132	0.6475	0.2200						
85	1.4160	0.8095	0.6176	0.2126						
90	1.4853	0.8061	0.5874	0.2047						
95	1.5448	0.8029	0.5568	0.1963						
100	1.5926	0.7999	0.5258	0.1876						
105	1.6280	0.7971	0.4946	0.1781						
110	1.6497	0.7945	0.4630	0.1683						
115	1.6565	0.7921	0.4312	0.1581						
120	1.6473	0.7899	0.3990	0.1475						
125	1.6212	0.7878	0.3667	0.1366						
130	1.5770	0.7860	0.3341	0.1252						
135	1.5141	0.7843	0.3012	0.1136						
140	1.4315	0.7828	0.2682	0.1017						
145	1.3286	0.7815	0.2351	0.0895						
150	1.2047	0.7804	0.2018	0.0772						
155	1.0594	0.7794	0.1683	0.0646						
160	0.8922	0.7787	0.1348	0.0519						
165	0.7028	0.7781	0.1012	0.0390						
170	0.4910	0.7776	0.0675	0.0261						
175	0.2567	0.7774	0.0338	0.0131						
180	0.1	0.7773	0.1	0.1						

GAMMA=0.6000 ALPHA=10.000 K= 2.20

DC= 2.6215 XR= 1.11527 BR= 1.31322
TR=46.2736 CR= 0.80763 QR=21.63035

THETA	ST	X1	B1	S1
0	1.0000	0.9092	1.0535	0.2717
5	1.0327	0.8999	1.0309	0.2699
10	1.1141	0.8912	1.0078	0.2682
15	1.2373	0.8831	0.9844	0.2667
20	1.4010	0.8754	0.9605	0.2650
25	1.6116	0.8682	0.9362	0.2631
30	1.8884	0.8613	0.9115	0.2609
35	2.2846	0.8548	0.8863	0.2584
40	2.9917	0.8487	0.8606	0.2555
45	6.0067	0.8428	0.8345	0.2521
50	0.7824	0.8373	0.8079	0.2483
55	0.8870	0.8321	0.7808	0.2440
60	0.9908	0.8271	0.7533	0.2392
65	1.0924	0.8224	0.7254	0.2339
70	1.1904	0.8179	0.6971	0.2281
75	1.2836	0.8137	0.6683	0.2217
80	1.3705	0.8098	0.6392	0.2149
85	1.4498	0.8060	0.6096	0.2076
90	1.5201	0.8025	0.5797	0.1998
95	1.5802	0.7992	0.5495	0.1915
100	1.6287	0.7961	0.5189	0.1828
105	1.6644	0.7932	0.4880	0.1736
110	1.6861	0.7905	0.4568	0.1640
115	1.6925	0.7880	0.4254	0.1540
120	1.6827	0.7858	0.3937	0.1436
125	1.6556	0.7837	0.3617	0.1329
130	1.6102	0.7818	0.3295	0.1219
135	1.5456	0.7801	0.2971	0.1106
140	1.4611	0.7785	0.2646	0.0990
145	1.3558	0.7772	0.2319	0.0871
150	1.2293	0.7760	0.1990	0.0751
155	1.0809	0.7750	0.1660	0.0628
160	0.9102	0.7742	0.1329	0.0505
165	0.7169	0.7736	0.0998	0.0380
170	0.5009	0.7732	0.0666	0.0254
175	0.2619	0.7729	0.0333	0.0127
180	0.	0.7728	0.	0.

GAMMA=0.6000 ALPHA=10.000 K= 2.60

DC= 2.6861 XR= 1.11156 BR= 1.28181
TR=38.9674 CR= 0.68011 QR=16.67986

THETA	ST	X1	B1	S1
0	1.0000	0.9112	1.0371	0.2744
5	1.0429	0.9008	1.0139	0.2701
10	1.1448	0.8911	0.9905	0.2666
15	1.2995	0.8821	0.9669	0.2636
20	1.5128	0.8737	0.9429	0.2607
25	1.8110	0.8658	0.9186	0.2579
30	2.2781	0.8584	0.8939	0.2549
35	3.3206	0.8513	0.8689	0.2517
40	0.6086	0.8447	0.8434	0.2483
45	0.7151	0.8385	0.8175	0.2445
50	0.8234	0.8325	0.7912	0.2404
55	0.9319	0.8269	0.7644	0.2358
60	1.0393	0.8217	0.7373	0.2308
65	1.1444	0.8167	0.7098	0.2254
70	1.2456	0.8119	0.6819	0.2195
75	1.3416	0.8075	0.6536	0.2132
80	1.4310	0.8033	0.6250	0.2064
85	1.5123	0.7993	0.5960	0.1992
90	1.5844	0.7956	0.5667	0.1915
95	1.6457	0.7922	0.5370	0.1834
100	1.6950	0.7889	0.5070	0.1750
105	1.7310	0.7859	0.4768	0.1661
110	1.7525	0.7831	0.4463	0.1568
115	1.7583	0.7805	0.4155	0.1472
120	1.7472	0.7781	0.3845	0.1372
125	1.7183	0.7759	0.3532	0.1269
130	1.6705	0.7739	0.3217	0.1163
135	1.6029	0.7721	0.2901	0.1055
140	1.5147	0.7705	0.2583	0.0944
145	1.4052	0.7691	0.2263	0.0831
150	1.2737	0.7679	0.1943	0.0716
155	1.1197	0.7669	0.1620	0.0599
160	0.9428	0.7660	0.1298	0.0481
165	0.7425	0.7654	0.0974	0.0362
170	0.5187	0.7649	0.0650	0.0242
175	0.2712	0.7646	0.0325	0.0121
180	0.	0.7645	0.	0.

GAMMA=0.6000 ALPHA=10.000 K= 31000

DC= 2.7427 XR= 1.10884 BR= 1.125822
TR=33.6800 CR= 0.58783 QR=131.57089

THETA	ST	X1	B1	S1
0	1.0000	0.9129	1.0244	0.2794
5	1.0540	0.9013	1.0006	0.2724
10	1.1788	0.8907	0.9768	0.2669
15	1.3717	0.8809	0.9529	0.2623
20	1.6532	0.8718	0.9288	0.2582
25	2.1077	0.8633	0.9044	0.2544
30	3.1658	0.8553	0.8797	0.2506
35	0.5319	0.8479	0.8546	0.2468
40	0.6394	0.8408	0.8293	0.2429
45	0.7498	0.8342	0.8035	0.2387
50	0.8617	0.8279	0.7774	0.2342
55	0.9736	0.8221	0.7509	0.2294
60	1.0843	0.8165	0.7241	0.2242
65	1.1923	0.8112	0.6969	0.2186
70	1.2962	0.8063	0.6694	0.2127
75	1.3946	0.8016	0.6415	0.2063
80	1.4861	0.7973	0.6132	0.1996
85	1.5692	0.7931	0.5847	0.1924
90	1.6426	0.7893	0.5558	0.1849
95	1.7049	0.7857	0.5266	0.1769
100	1.7548	0.7823	0.4972	0.1686
105	1.7910	0.7791	0.4674	0.1599
110	1.8121	0.7762	0.4374	0.1509
115	1.8172	0.7735	0.4072	0.1416
120	1.8049	0.7710	0.3768	0.1319
125	1.7742	0.7687	0.3461	0.1220
130	1.7242	0.7667	0.3152	0.1118
135	1.6538	0.7648	0.2842	0.1013
140	1.5624	0.7632	0.2530	0.0906
145	1.4490	0.7617	0.2217	0.0797
150	1.3132	0.7605	0.1903	0.0687
155	1.1542	0.7594	0.1587	0.0575
160	0.9716	0.7585	0.1271	0.0461
165	0.7651	0.7579	0.0954	0.0347
170	0.5344	0.7574	0.0636	0.0232
175	0.2794	0.7571	0.0318	0.0116
180	0.	0.7570	0.	0.

GAMMA=0.6000 ALPHA=10.000 K= 41000

DC= 2.8609 XR= 1.10443 BR= 1.121879
TR=25.1844 CR= 0.43955 QR= 91.26356

THETA	ST	X1	B1	S1
0	1.0000	0.9157	1.0026	0.2979
5	1.0851	0.9015	0.9771	0.2829
10	1.2793	0.8887	0.9520	0.2718
15	1.6099	0.8772	0.9272	0.2631
20	2.2808	0.8666	0.9024	0.2560
25	0.3752	0.8568	0.8776	0.2498
30	0.4820	0.8478	0.8527	0.2441
35	0.5942	0.8394	0.8277	0.2388
40	0.7102	0.8315	0.8024	0.2336
45	0.8286	0.8241	0.7768	0.2284
50	0.9481	0.8172	0.7510	0.2232
55	1.0672	0.8107	0.7250	0.2177
60	1.1845	0.8046	0.6986	0.2121
65	1.2985	0.7989	0.6720	0.2062
70	1.4078	0.7935	0.6451	0.2000
75	1.5109	0.7885	0.6179	0.1936
80	1.6064	0.7837	0.5904	0.1868
85	1.6928	0.7793	0.5627	0.1797
90	1.7686	0.7751	0.5346	0.1724
95	1.8325	0.7712	0.5064	0.1647
100	1.8832	0.7676	0.4779	0.1567
105	1.9192	0.7642	0.4492	0.1484
110	1.9393	0.7611	0.4202	0.1399
115	1.9423	0.7582	0.3911	0.1311
120	1.9271	0.7555	0.3617	0.1220
125	1.8924	0.7531	0.3322	0.1127
130	1.8374	0.7509	0.3025	0.1032
135	1.7610	0.7489	0.2727	0.0934
140	1.6625	0.7471	0.2427	0.0835
145	1.5409	0.7456	0.2127	0.0734
150	1.3957	0.7443	0.1825	0.0632
155	1.2261	0.7431	0.1522	0.0529
160	1.0318	0.7422	0.1219	0.0424
165	0.8123	0.7415	0.0914	0.0319
170	0.5672	0.7410	0.0610	0.0213
175	0.2965	0.7407	0.0305	0.0107
180	0.	0.7406	0.	0.

GAMMA=0.6000 ALPHA=10.000 K= 6.000

DC= 3.0402 XR= 1.10002 BR= 1.17790
TR=16.7691 CR= 0.29268 QR= 5.67831

THETA	ST	X1	B1	S1
0	1.0000	0.9189	0.9793	0.3466
5	1.1620	0.8997	0.9496	0.3110
10	1.5741	0.8832	0.9218	0.2875
15	3.0779	0.8688	0.8950	0.2706
20	0.3392	0.8560	0.8689	0.2576
25	0.4547	0.8443	0.8432	0.2471
30	0.5761	0.8337	0.8177	0.2382
35	0.7020	0.8239	0.7923	0.2304
40	0.8310	0.8149	0.7669	0.2232
45	0.9615	0.8065	0.7415	0.2164
50	1.0921	0.7987	0.7160	0.2099
55	1.2215	0.7914	0.6903	0.2035
60	1.3481	0.7846	0.6645	0.1971
65	1.4704	0.7782	0.6386	0.1906
70	1.5869	0.7722	0.6124	0.1841
75	1.6961	0.7667	0.5861	0.1774
80	1.7966	0.7614	0.5596	0.1706
85	1.8867	0.7566	0.5329	0.1636
90	1.9651	0.7520	0.5060	0.1564
95	2.0303	0.7478	0.4790	0.1490
100	2.0809	0.7438	0.4517	0.1414
105	2.1156	0.7402	0.4243	0.1336
110	2.1330	0.7368	0.3968	0.1256
115	2.1320	0.7337	0.3691	0.1175
120	2.1114	0.7308	0.3412	0.1091
125	2.0700	0.7282	0.3133	0.1006
130	2.0068	0.7258	0.2852	0.0920
135	1.9208	0.7237	0.2570	0.0832
140	1.8111	0.7218	0.2287	0.0743
145	1.6769	0.7201	0.2003	0.0653
150	1.5174	0.7187	0.1718	0.0561
155	1.3321	0.7175	0.1433	0.0469
160	1.1203	0.7165	0.1147	0.0376
165	0.8815	0.7157	0.0861	0.0283
170	0.6154	0.7152	0.0574	0.0189
175	0.3216	0.7148	0.0287	0.0094
180	0.	0.7147	0.	0.

GAMMA=0.6000 ALPHA=10.000 K= 8.000

DC= 3.1792 XR= 1.09781 BR= 1.15686
TR=12.5776 CR= 0.21952 QR= 4.09897

THETA	ST	X1	B1	S1
0	1.0000	0.9207	0.9669	0.4016
5	1.2594	0.8968	0.9331	0.3404
10	2.2017	0.8772	0.9026	0.3037
15	0.2755	0.8605	0.8740	0.2790
20	0.3966	0.8459	0.8467	0.2609
25	0.5244	0.8329	0.8201	0.2469
30	0.6572	0.8212	0.7941	0.2353
35	0.7936	0.8104	0.7684	0.2255
40	0.9321	0.8006	0.7428	0.2168
45	1.0715	0.7915	0.7174	0.2089
50	1.2102	0.7831	0.6920	0.2014
55	1.3468	0.7753	0.6666	0.1943
60	1.4798	0.7680	0.6411	0.1874
65	1.6077	0.7613	0.6156	0.1805
70	1.7288	0.7549	0.5899	0.1737
75	1.8418	0.7490	0.5642	0.1669
80	1.9450	0.7435	0.5383	0.1599
85	2.0370	0.7384	0.5123	0.1530
90	2.1163	0.7336	0.4862	0.1458
95	2.1815	0.7291	0.4600	0.1386
100	2.2312	0.7250	0.4336	0.1313
105	2.2640	0.7211	0.4071	0.1238
110	2.2786	0.7176	0.3805	0.1162
115	2.2738	0.7143	0.3538	0.1085
120	2.2484	0.7113	0.3270	0.1006
125	2.2012	0.7086	0.3001	0.0927
130	2.1314	0.7061	0.2731	0.0846
135	2.0378	0.7039	0.2460	0.0764
140	1.9195	0.7019	0.2189	0.0682
145	1.7757	0.7002	0.1917	0.0598
150	1.6057	0.6987	0.1644	0.0514
155	1.4087	0.6974	0.1371	0.0430
160	1.1841	0.6964	0.1097	0.0344
165	0.9313	0.6956	0.0823	0.0259
170	0.6500	0.6951	0.0549	0.0173
175	0.3396	0.6947	0.0274	0.0086
180	0.	0.6946	0.	0.

GAMMA=0.6000 ALPHA=10.000 K=10.000

DC= 3.2954 XR= 1.09648 BR= 1.14404
TR=10.0647 CR= 0.17566 QR= 3.20862

THETA	ST	X1	B1	S1
0	1.0000	0.9218	0.9592	0.4592
5	1.3833	0.8935	0.9213	0.3682
10	0.1913	0.8712	0.8884	0.3184
15	0.3163	0.8527	0.8583	0.2865
20	0.4487	0.8368	0.8299	0.2640
25	0.5866	0.8227	0.8026	0.2470
30	0.7286	0.8101	0.7761	0.2334
35	0.8734	0.7986	0.7501	0.2220
40	1.0196	0.7882	0.7244	0.2121
45	1.1659	0.7786	0.6989	0.2033
50	1.3108	0.7698	0.6736	0.1951
55	1.4529	0.7616	0.6484	0.1875
60	1.5906	0.7540	0.6232	0.1801
65	1.7224	0.7469	0.5979	0.1730
70	1.8467	0.7403	0.5727	0.1660
75	1.9621	0.7342	0.5473	0.1590
80	2.0670	0.7285	0.5220	0.1520
85	2.1599	0.7231	0.4965	0.1451
90	2.2393	0.7182	0.4710	0.1380
95	2.3038	0.7136	0.4453	0.1309
100	2.3521	0.7093	0.4196	0.1238
105	2.3827	0.7053	0.3939	0.1166
110	2.3945	0.7017	0.3680	0.1092
115	2.3861	0.6983	0.3421	0.1018
120	2.3564	0.6952	0.3160	0.0943
125	2.3044	0.6924	0.2900	0.0868
130	2.2289	0.6898	0.2638	0.0791
135	2.1289	0.6876	0.2376	0.0714
140	2.0037	0.6855	0.2113	0.0637
145	1.8522	0.6838	0.1850	0.0558
150	1.6738	0.6822	0.1587	0.0479
155	1.4676	0.6809	0.1323	0.0400
160	1.2330	0.6799	0.1059	0.0321
165	0.9695	0.6791	0.0794	0.0241
170	0.6764	0.6785	0.0530	0.0161
175	0.3534	0.6781	0.0265	0.0080
180	0.	0.6780	0.	0.

GAMMA=0.6000 ALPHA=10.000 K=20.000

DC= 3.7216 XR= 1.09382 BR= 1.111792
TR= 4.0375 CR= 0.07047 QR= 1.54014

THETA	ST	X1	B1	S1
0	1.0000	0.9238	0.9430	0.7494
5	0.1433	0.8770	0.8871	0.4771
10	0.3131	0.8452	0.8452	0.3685
15	0.4838	0.8206	0.8097	0.3099
20	0.6549	0.8005	0.7778	0.2725
25	0.8267	0.7832	0.7482	0.2461
30	0.9989	0.7681	0.7202	0.2262
35	1.1706	0.7547	0.6932	0.2104
40	1.3426	0.7427	0.6671	0.1972
45	1.5078	0.7317	0.6416	0.1859
50	1.6708	0.7217	0.6165	0.1759
55	1.8280	0.7125	0.5918	0.1668
60	1.9780	0.7040	0.5673	0.1584
65	2.1191	0.6961	0.5430	0.1505
70	2.2500	0.6889	0.5189	0.1430
75	2.3691	0.6821	0.4949	0.1357
80	2.4749	0.6759	0.4710	0.1287
85	2.5661	0.6700	0.4472	0.1219
90	2.6412	0.6646	0.4235	0.1151
95	2.6989	0.6596	0.3998	0.1085
100	2.7381	0.6550	0.3761	0.1019
105	2.7574	0.6507	0.3525	0.0954
110	2.7558	0.6468	0.3289	0.0889
115	2.7322	0.6431	0.3053	0.0824
120	2.6855	0.6398	0.2818	0.0760
125	2.6148	0.6368	0.2582	0.0696
130	2.5191	0.6341	0.2347	0.0632
135	2.3975	0.6316	0.2112	0.0569
140	2.2491	0.6295	0.1877	0.0505
145	2.0732	0.6276	0.1642	0.0442
150	1.8688	0.6259	0.1407	0.0379
155	1.6352	0.6245	0.1173	0.0315
160	1.3715	0.6234	0.0938	0.0252
165	1.0769	0.6225	0.0704	0.0189
170	0.7507	0.6219	0.0469	0.0126
175	0.3920	0.6215	0.0234	0.0063
180	0.	0.6214	0.	0.

GAMMA = 0.6000

ALPHA = 11.000

K = 0.600

DC = 2.1199	XR = 1.1882	BR = 1.735814	TR = 29.11	CR = 5.7752	QR = 0.4698E 05					
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8961	1.2563	0.3414	0.8961	1.2563	0.3414			
5	1.0006	0.8928	1.2322	0.3458	0.8995	1.2798	0.3362	2.6463	2.6929	17.7291
10	1.0264	0.8895	1.2073	0.3496	0.9030	1.3021	0.3305	2.2614	2.3391	5.9970
15	1.0698	0.8863	1.1816	0.3526	0.9066	1.3239	0.3243	2.0685	2.1724	3.1112
20	1.1276	0.8832	1.1552	0.3549	0.9102	1.3449	0.3175	1.9449	2.0720	1.9211
25	1.1976	0.8802	1.1280	0.3568	0.9139	1.3651	0.3102	1.8561	2.0042	1.3043
30	1.2778	0.8772	1.1001	0.3570	0.9176	1.3845	0.3026	1.7880	1.9554	0.9401
35	1.3992	0.8744	1.0714	0.3568	0.9214	1.4032	0.3131	1.7335	1.9187	0.7162
40	1.4903	0.8716	1.0419	0.3557	0.9253	1.4213	0.3025	1.6885	1.8902	0.5537
45	1.5931	0.8689	1.0118	0.3537	0.9292	1.4384	0.2993	1.6505	1.8676	0.4386
50	1.7005	0.8663	0.9809	0.3508	0.9331	1.4549	0.2845	1.6179	1.8493	0.3541
55	1.8104	0.8638	0.9494	0.3470	0.9371	1.4706	0.2759	1.5894	1.8344	0.2902
60	1.9213	0.8614	0.9171	0.3423	0.9411	1.4857	0.2673	1.5643	1.8220	0.2408
65	2.0315	0.8590	0.8842	0.3366	0.9452	1.5001	0.2588	1.5420	1.8116	0.2020
70	2.1395	0.8568	0.8507	0.3300	0.9493	1.5139	0.2504	1.5219	1.8028	0.1711
75	2.2438	0.8547	0.8165	0.3225	0.9534	1.5268	0.2421	1.5038	1.7954	0.1461
80	2.3433	0.8526	0.7818	0.3140	0.9576	1.5392	0.2340	1.4873	1.7890	0.1256
85	2.4365	0.8507	0.7464	0.3047	0.9618	1.5511	0.2261	1.4722	1.7835	0.1088
90	2.5221	0.8488	0.7105	0.2945	0.9660	1.5623	0.2183	1.4584	1.7787	0.0948
95	2.5992	0.8470	0.6741	0.2834	0.9702	1.5729	0.2109	1.4456	1.7746	0.0832
100	2.6666	0.8454	0.6371	0.2715	0.9744	1.5830	0.2037	1.4338	1.7710	0.0734
105	2.7233	0.8438	0.5997	0.2588	0.9787	1.5925	0.1968	1.4229	1.7678	0.0651
110	2.7684	0.8424	0.5618	0.2453	0.9829	1.6015	0.1902	1.4126	1.7650	0.0581
115	2.8012	0.8410	0.5236	0.2310	0.9872	1.6101	0.1840	1.4031	1.7625	0.0522
120	2.8211	0.8397	0.4848	0.2161	0.9914	1.6181	0.1782	1.3941	1.7603	0.0471
125	2.8273	0.8386	0.4458	0.2005	0.9957	1.6257	0.1728	1.3857	1.7584	0.0428
130	2.8196	0.8375	0.4063	0.1843	0.9999	1.6329	0.1678	1.3778	1.7566	0.0392
135	2.7976	0.8365	0.3666	0.1675	1.0042	1.6394	0.1633	1.3703	1.7551	0.0361
140	2.7611	0.8357	0.3266	0.1503	1.0084	1.6460	0.1592	1.3633	1.7537	0.0335
145	2.7101	0.8349	0.2863	0.1325	1.0126	1.6519	0.1555	1.3566	1.7524	0.0313
150	2.6447	0.8343	0.2458	0.1143	1.0169	1.6575	0.1523	1.3502	1.7513	0.0295
155	2.5661	0.8337	0.2052	0.0958	1.0211	1.6628	0.1496	1.3442	1.7503	0.0280
160	2.4778	0.8333	0.1643	0.0770	1.0253	1.6678	0.1474	1.3384	1.7493	0.0268
165	2.3803	0.8329	0.1234	0.0580	1.0294	1.6725	0.1457	1.3329	1.7485	0.0259
170	2.2649	0.8326	0.0823	0.0388	1.0336	1.6768	0.1444	1.3276	1.7477	0.0253
175	2.1358	0.8325	0.0412	0.0194	1.0377	1.6809	0.1437	1.3226	1.7470	0.0249
180	1.9950	0.8324	0.	0.	1.0419	1.6849	0.1434	1.3177	1.7464	0.0248

GAMMA = 0.6000

ALPHA = 11.000

K = 0.800

DC = 2.2123	XR = 1.1513	BR = 1.608465	TR = 164.51	CR = 2.8712	QR = 0.7418E 03					
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9006	1.2018	0.3101	0.9006	1.2018	0.3101			
5	1.0042	0.8965	1.1789	0.3145	0.9048	1.2239	0.3052	2.4759	2.5194	15.3822
10	1.0343	0.8925	1.1552	0.3182	0.9091	1.2463	0.2997	2.1189	2.1913	5.2088
15	1.0831	0.8887	1.1308	0.3213	0.9135	1.2659	0.2936	1.9397	2.0366	2.7066
20	1.1478	0.8849	1.1056	0.3236	0.9181	1.2858	0.2871	1.8249	1.9435	1.6754
25	1.2257	0.8813	1.0797	0.3252	0.9227	1.3049	0.2802	1.7421	1.8804	1.1415
30	1.3147	0.8778	1.0531	0.3260	0.9275	1.3233	0.2729	1.6783	1.8347	0.8265
35	1.4128	0.8744	1.0257	0.3260	0.9323	1.3409	0.2653	1.6271	1.8002	0.6243
40	1.5179	0.8711	0.9976	0.3252	0.9373	1.3578	0.2574	1.5845	1.7733	0.4864
45	1.6284	0.8679	0.9688	0.3235	0.9424	1.3740	0.2492	1.5484	1.7518	0.3883
50	1.7422	0.8648	0.9393	0.3210	0.9476	1.3894	0.2409	1.5171	1.7342	0.3160
55	1.8578	0.8619	0.9092	0.3177	0.9529	1.4042	0.2325	1.4896	1.7197	0.2613
60	1.9733	0.8591	0.8783	0.3134	0.9583	1.4183	0.2240	1.4652	1.7075	0.2190
65	2.0872	0.8563	0.8469	0.3083	0.9639	1.4318	0.2154	1.4432	1.6972	0.1858
70	2.1978	0.8537	0.8148	0.3024	0.9696	1.4446	0.2068	1.4232	1.6883	0.1593
75	2.3037	0.8513	0.7821	0.2956	0.9753	1.4568	0.1983	1.4049	1.6806	0.1380
80	2.4033	0.8489	0.7489	0.2879	0.9812	1.4684	0.1899	1.3881	1.6739	0.1205
85	2.4953	0.8466	0.7150	0.2794	0.9873	1.4794	0.1816	1.3725	1.6680	0.1062
90	2.5785	0.8445	0.6807	0.2701	0.9935	1.4898	0.1735	1.3579	1.6628	0.0944
95	2.6517	0.8425	0.6458	0.2600	0.9998	1.4997	0.1656	1.3441	1.6581	0.0846
100	2.7139	0.8406	0.6104	0.2491	1.0063	1.5091	0.1580	1.3311	1.6538	0.0764
105	2.7643	0.8388	0.5746	0.2374	1.0130	1.5180	0.1506	1.3188	1.6500	0.0697
110	2.8023	0.8371	0.5383	0.2251	1.0198	1.5264	0.1436	1.3069	1.6465	0.0641
115	2.8276	0.8356	0.5016	0.2120	1.0269	1.5344	0.1370	1.2955	1.6432	0.0595
120	2.8403	0.8341	0.4645	0.1983	1.0342	1.5420	0.1307	1.2844	1.6401	0.0559
125	2.8410	0.8328	0.4271	0.1840	1.0419	1.5492	0.1250	1.2734	1.6372	0.0531
130	2.8313	0.8316	0.3893	0.1692	1.0498	1.5561	0.1199	1.2627	1.6345	0.0512
135	2.8141	0.8305	0.3513	0.1538	1.0583	1.5627	0.1156	1.2518	1.6317	0.0502
140	2.7953	0.8295	0.3129	0.1379	1.0672	1.5690	0.1123	1.2409	1.6291	0.0504
145	2.7864	0.8287	0.2744	0.1217	1.0769	1.5752	0.1105	1.2295	1.6263	0.0521
150	2.8125	0.8279	0.2356	0.1050	1.0878	1.5813	0.1113	1.2173	1.6234	0.0564
155	2.9439	0.8273	0.1966	0.0880	1.1003	1.5876	0.1176	1.2036	1.6202	0.0661
160	3.4847	0.8268	0.1575	0.0707	1.1165	1.5946	0.1421	1.1866	1.6160	0.0939
165	0.6334	0.8264	0.1182	0.0532						
170	0.4428	0.8261	0.0789	0.0356						
175	0.2316	0.8259	0.0394	0.0178						
180	0.	0.8258	0.	0.						

GAMMA = 0.6000

ALPHA = 11.000

K = 1.000

DC = 2.2844 XR = 1.1353 BR = 1.519679 TR = 118.61 CR = 2.0701 QR = 0.2183E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9041	1.1638	0.2907	0.9041	1.1638	0.2907			
5	1.0079	0.8993	1.1417	0.2948	0.9090	1.1853	0.2861	2.3522	2.3935	13.7832
10	1.0425	0.8947	1.1188	0.2983	0.9141	1.2060	0.2809	2.0154	2.0840	4.6740
15	1.0978	0.8902	1.0951	0.3012	0.9194	1.2259	0.2753	1.8460	1.9379	2.4346
20	1.1704	0.8859	1.0708	0.3034	0.9248	1.2452	0.2693	1.7373	1.8498	1.5124
25	1.2577	0.8817	1.0457	0.3049	0.9304	1.2637	0.2629	1.6585	1.7898	1.0355
30	1.3573	0.8777	1.0199	0.3056	0.9362	1.2815	0.2562	1.5976	1.7462	0.7544
35	1.4672	0.8738	0.9934	0.3057	0.9422	1.2986	0.2493	1.5483	1.7130	0.5741
40	1.5854	0.8701	0.9662	0.3049	0.9484	1.3150	0.2421	1.5071	1.6868	0.4515
45	1.7101	0.8665	0.9383	0.3034	0.9548	1.3307	0.2349	1.4718	1.6657	0.3644
50	1.8395	0.8630	0.9097	0.3011	0.9614	1.3458	0.2275	1.4409	1.6483	0.3004
55	1.9723	0.8597	0.8805	0.2979	0.9682	1.3602	0.2202	1.4135	1.6337	0.2524
60	2.1071	0.8565	0.8507	0.2940	0.9753	1.3741	0.2129	1.3888	1.6212	0.2155
65	2.2427	0.8535	0.8202	0.2892	0.9827	1.3873	0.2058	1.3663	1.6103	0.1869
70	2.3784	0.8506	0.7892	0.2837	0.9904	1.4000	0.1990	1.3454	1.6008	0.1645
75	2.5139	0.8478	0.7575	0.2773	0.9985	1.4121	0.1925	1.3259	1.5923	0.1470
80	2.6495	0.8452	0.7253	0.2701	1.0070	1.4238	0.1865	1.3075	1.5846	0.1334
85	2.7867	0.8427	0.6925	0.2621	1.0160	1.4352	0.1813	1.2898	1.5776	0.1232
90	2.9291	0.8403	0.6592	0.2534	1.0256	1.4458	0.1771	1.2727	1.5709	0.1162
95	3.0836	0.8381	0.6254	0.2439	1.0360	1.4564	0.1745	1.2557	1.5646	0.1122
100	3.2653	0.8360	0.5912	0.2336	1.0474	1.4668	0.1745	1.2385	1.5583	0.1121
105	3.5094	0.8340	0.5565	0.2227	1.0603	1.4773	0.1793	1.2206	1.5519	0.1177
110	3.9197	0.8322	0.5213	0.2111	1.0758	1.4882	0.1951	1.2009	1.5449	0.1351
115	5.0245	0.8305	0.4858	0.1989	1.0967	1.5009	0.2541	1.1762	1.5359	0.1962
120	1.5348	0.8289	0.4499	0.1860						
125	1.5141	0.8274	0.4136	0.1726						
130	1.4761	0.8261	0.3771	0.1587						
135	1.4200	0.8249	0.3402	0.1443						
140	1.3450	0.8238	0.3031	0.1294						
145	1.2502	0.8229	0.2657	0.1141						
150	1.1352	0.8221	0.2281	0.0985						
155	0.9994	0.8214	0.1904	0.0825						
160	0.8425	0.8208	0.1525	0.0663						
165	0.6641	0.8204	0.1145	0.0499						
170	0.4642	0.8200	0.0764	0.0334						
175	0.2428	0.8199	0.0382	0.0167						
180	0.	0.8198	0.	0.						

GAMMA = 0.6000

ALPHA = 11.000

K = 1.200

DC = 2.3437 XR = 1.1257 BR = 1.457737 TR = 94.28 CR = 1.6455 QR = 0.1123E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9069	1.1356	0.2781	0.9069	1.1356	0.2781			
5	1.0115	0.9014	1.1139	0.2817	0.9125	1.1566	0.2739	2.2564	2.2958	12.6049
10	1.0514	0.8962	1.0915	0.2849	0.9183	1.1770	0.2693	1.9350	2.0007	4.2822
15	1.1140	0.8912	1.0684	0.2874	0.9244	1.1966	0.2643	1.7732	1.8612	2.2374
20	1.1958	0.8863	1.0445	0.2894	0.9308	1.2155	0.2590	1.6689	1.7767	1.3962
25	1.2941	0.8817	1.0200	0.2907	0.9374	1.2338	0.2535	1.5929	1.7189	0.9617
30	1.4066	0.8772	0.9948	0.2913	0.9442	1.2514	0.2478	1.5338	1.6765	0.7061
35	1.5314	0.8729	0.9689	0.2913	0.9514	1.2683	0.2420	1.4857	1.6440	0.5426
40	1.6669	0.8688	0.9423	0.2905	0.9589	1.2847	0.2361	1.4450	1.6181	0.4318
45	1.8119	0.8648	0.9151	0.2890	0.9668	1.3004	0.2305	1.4099	1.5969	0.3536
50	1.9656	0.8610	0.8872	0.2867	0.9751	1.3156	0.2251	1.3787	1.5791	0.2969
55	2.1282	0.8574	0.8587	0.2837	0.9839	1.3303	0.2201	1.3506	1.5639	0.2552
60	2.3007	0.8539	0.8296	0.2799	0.9932	1.3445	0.2159	1.3247	1.5505	0.2243
65	2.4861	0.8506	0.7998	0.2753	1.0033	1.3584	0.2128	1.3005	1.5385	0.2020
70	2.6907	0.8474	0.7695	0.2699	1.0142	1.3719	0.2116	1.2773	1.5274	0.1868
75	2.9287	0.8444	0.7386	0.2638	1.0262	1.3853	0.2133	1.2546	1.5170	0.1788
80	3.2320	0.8416	0.7072	0.2569	1.0399	1.3989	0.2206	1.2317	1.5067	0.1795
85	3.6923	0.8389	0.6752	0.2493	1.0563	1.4131	0.2407	1.2073	1.4959	0.1953
90	4.7243	0.8363	0.6427	0.2410	1.0782	1.4294	0.3058	1.1784	1.4830	0.2581
95	1.4763	0.8339	0.6098	0.2319						
100	1.5273	0.8316	0.5764	0.2222						
105	1.5663	0.8295	0.5425	0.2118						
110	1.5919	0.8275	0.5082	0.2007						
115	1.6029	0.8257	0.4736	0.1891						
120	1.5981	0.8240	0.4386	0.1768						
125	1.5764	0.8224	0.4032	0.1641						
130	1.5367	0.8210	0.3676	0.1508						
135	1.4782	0.8197	0.3316	0.1371						
140	1.4000	0.8185	0.2954	0.1229						
145	1.3014	0.8175	0.2590	0.1084						
150	1.1816	0.8166	0.2224	0.0936						
155	1.0402	0.8159	0.1856	0.0784						
160	0.8769	0.8153	0.1486	0.0630						
165	0.6912	0.8148	0.1116	0.0474						
170	0.4832	0.8145	0.0744	0.0317						
175	0.2527	0.8143	0.0372	0.0159						
180	0.	0.8142	0.	0.						

GAMMA = 0.6000

ALPHA = 11.000

K = 1.400

DC = 2.3942 XR = 1.1193 BR = 1.411310 TR = 78.73 CR = 1.3741 QR = 0.7242E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9091	1.1137	0.2697	0.9091	1.1137	0.2697			
5	1.0153	0.9631	1.0923	0.2728	0.9154	1.1345	0.2661	2.1789	2.2169	11.6907
10	1.0610	0.8973	1.0701	0.2755	0.9220	1.1547	0.2623	1.8699	1.9331	3.9805
15	1.1317	0.8918	1.0473	0.2777	0.9290	1.1742	0.2581	1.7139	1.7988	2.0876
20	1.2241	0.8864	1.0239	0.2793	0.9362	1.1931	0.2539	1.6130	1.7171	1.3098
25	1.3353	0.8813	0.9997	0.2804	0.9438	1.2113	0.2495	1.5390	1.6607	0.9087
30	1.4636	0.8765	0.9749	0.2808	0.9519	1.2290	0.2453	1.4811	1.6191	0.6734
35	1.6075	0.8718	0.9495	0.2806	0.9604	1.2462	0.2413	1.4334	1.5868	0.5237
40	1.7670	0.8673	0.9234	0.2797	0.9694	1.2628	0.2378	1.3928	1.5608	0.4232
45	1.9428	0.8630	0.8966	0.2781	0.9791	1.2791	0.2351	1.3570	1.5390	0.3536
50	2.1380	0.8589	0.8692	0.2758	0.9896	1.2949	0.2337	1.3248	1.5203	0.3049
55	2.3594	0.8550	0.8412	0.2728	1.0010	1.3106	0.2344	1.2949	1.5037	0.2718
60	2.6219	0.8513	0.8126	0.2690	1.0138	1.3262	0.2389	1.2664	1.4885	0.2518
65	2.9609	0.8477	0.7835	0.2645	1.0284	1.3422	0.2505	1.2383	1.4739	0.2458
70	3.4805	0.8443	0.7537	0.2593	1.0462	1.3592	0.2792	1.2089	1.4590	0.2618
75	4.6988	0.8411	0.7234	0.2534	1.0707	1.3792	0.3735	1.1743	1.4414	0.3474
80	1.3109	0.8381	0.6926	0.2467						
85	1.3928	0.8352	0.6613	0.2394						
90	1.4664	0.8325	0.6294	0.2313						
95	1.5302	0.8299	0.5971	0.2226						
100	1.5829	0.8275	0.5644	0.2132						
105	1.6230	0.8252	0.5312	0.2031						
110	1.6493	0.8231	0.4976	0.1925						
115	1.6605	0.8211	0.4637	0.1813						
120	1.6553	0.8193	0.4294	0.1696						
125	1.6326	0.8177	0.3948	0.1573						
130	1.5914	0.8162	0.3599	0.1446						
135	1.5307	0.8148	0.3247	0.1314						
140	1.4496	0.8136	0.2892	0.1178						
145	1.3473	0.8125	0.2535	0.1039						
150	1.2233	0.8116	0.2177	0.0897						
155	1.0769	0.8108	0.1817	0.0752						
160	0.9077	0.8102	0.1455	0.0604						
165	0.7155	0.8097	0.1092	0.0455						
170	0.5001	0.8093	0.0729	0.0304						
175	0.2616	0.8091	0.0364	0.0152						
180	0.	0.8091	0.	0.						

GAMMA = 0.6000

ALPHA = 11.000

K = 1.600

DC = 2.4382 XR = 1.1145 BR = 1.375201 TR = 67.79 CR = 1.1832 QR = 0.5254E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9110	1.0962	0.2642	0.9110	1.0962	0.2642			
5	1.0192	0.9044	1.0749	0.2667	0.9180	1.1169	0.2614	2.1141	2.1509	10.9558
10	1.0712	0.8981	1.0529	0.2689	0.9253	1.1371	0.2585	1.8155	1.8768	3.7398
15	1.1511	0.8920	1.0303	0.2706	0.9331	1.1566	0.2555	1.6642	1.7464	1.9701
20	1.2554	0.8863	1.0071	0.2719	0.9413	1.1756	0.2525	1.5658	1.6668	1.2438
25	1.3819	0.8808	0.9832	0.2726	0.9500	1.1941	0.2499	1.4933	1.6115	0.8702
30	1.5295	0.8755	0.9587	0.2728	0.9593	1.2122	0.2478	1.4359	1.5702	0.6521
35	1.6990	0.8705	0.9335	0.2723	0.9693	1.2298	0.2466	1.3882	1.5377	0.5147
40	1.8933	0.8657	0.9078	0.2713	0.9802	1.2472	0.2470	1.3469	1.5110	0.4245
45	2.1200	0.8611	0.8814	0.2696	0.9922	1.2645	0.2501	1.3099	1.4882	0.3651
50	2.3959	0.8568	0.8544	0.2672	1.0057	1.2818	0.2578	1.2754	1.4678	0.3287
55	2.7623	0.8526	0.8268	0.2641	1.0214	1.2998	0.2749	1.2420	1.4487	0.3141
60	3.3495	0.8487	0.7986	0.2604	1.0409	1.3192	0.3155	1.2075	1.4293	0.3320
65	4.9460	0.8449	0.7699	0.2559	1.0694	1.3435	0.4665	1.1661	1.4061	0.4665
70	1.1660	0.8413	0.7406	0.2508						
75	1.2631	0.8379	0.7108	0.2450						
80	1.3546	0.8347	0.6805	0.2385						
85	1.4388	0.8316	0.6497	0.2313						
90	1.5145	0.8288	0.6183	0.2235						
95	1.5801	0.8260	0.5866	0.2150						
100	1.6341	0.8235	0.5544	0.2059						
105	1.6752	0.8211	0.5218	0.1961						
110	1.7021	0.8189	0.4888	0.1858						
115	1.7133	0.8169	0.4554	0.1750						
120	1.7077	0.8150	0.4217	0.1636						
125	1.6841	0.8133	0.3877	0.1518						
130	1.6414	0.8117	0.3534	0.1395						
135	1.5786	0.8103	0.3188	0.1268						
140	1.4948	0.8090	0.2840	0.1137						
145	1.3892	0.8079	0.2490	0.1002						
150	1.2612	0.8069	0.2138	0.0865						
155	1.1102	0.8061	0.1784	0.0725						
160	0.9357	0.8054	0.1429	0.0582						
165	0.7376	0.8049	0.1073	0.0438						
170	0.5155	0.8045	0.0715	0.0293						
175	0.2696	0.8043	0.0358	0.0147						
180	0.	0.8042	0.	0.						

GAMMA = 0.6000 ALPHA = 11.000 K = 1.800

DC = 2.4773 XR = 1.1109 BR = 1.346302 TR = 59.62 CR = 1.0406 QR = 0.4092E 02										
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9126	1.0818	0.2608	0.9126	1.0818	0.2608			
5	1.0233	0.9054	1.0605	0.2626	0.9203	1.1026	0.2589	2.0588	2.0946	10.3485
10	1.0821	0.8986	1.0386	0.2641	0.9283	1.1228	0.2571	1.7689	1.8285	3.5423
15	1.1722	0.8921	1.0161	0.2654	0.9369	1.1426	0.2554	1.6214	1.7015	1.8757
20	1.2900	0.8859	0.9930	0.2662	0.9461	1.1619	0.2542	1.5250	1.6234	1.1926
25	1.4344	0.8801	0.9693	0.2666	0.9560	1.1808	0.2539	1.4534	1.5687	0.8425
30	1.6065	0.8745	0.9450	0.2664	0.9667	1.1994	0.2549	1.3961	1.5274	0.6398
35	1.8111	0.8691	0.9201	0.2658	0.9785	1.2179	0.2583	1.3479	1.4943	0.5147
40	2.0599	0.8640	0.8946	0.2645	0.9917	1.2365	0.2658	1.3052	1.4665	0.4367
45	2.3811	0.8592	0.8685	0.2627	1.0069	1.2556	0.2811	1.2658	1.4417	0.3931
50	2.8545	0.8546	0.8418	0.2602	1.0253	1.2760	0.3141	1.2272	1.4182	0.3846
55	3.8242	0.8502	0.8146	0.2571	1.0502	1.2998	0.4079	1.1852	1.3930	0.4486
60	0.9912	0.8460	0.7868	0.2533						
65	1.0981	0.8421	0.7584	0.2489						
70	1.2021	0.8383	0.7295	0.2438						
75	1.3017	0.8348	0.7001	0.2380						
80	1.3955	0.8314	0.6702	0.2316						
85	1.4819	0.8282	0.6398	0.2246						
90	1.5594	0.8252	0.6089	0.2169						
95	1.6265	0.8224	0.5776	0.2086						
100	1.6817	0.8197	0.5459	0.1997						
105	1.7237	0.8173	0.5137	0.1903						
110	1.7509	0.8150	0.4812	0.1803						
115	1.7822	0.8128	0.4484	0.1697						
120	1.7562	0.8109	0.4152	0.1587						
125	1.7316	0.8091	0.3817	0.1472						
130	1.6875	0.8074	0.3479	0.1352						
135	1.6227	0.8059	0.3138	0.1229						
140	1.5365	0.8046	0.2796	0.1102						
145	1.4278	0.8035	0.2451	0.0971						
150	1.2961	0.8025	0.2104	0.0838						
155	1.1409	0.8016	0.1756	0.0702						
160	0.9815	0.8009	0.1408	0.0564						
165	0.7579	0.8004	0.1056	0.0423						
170	0.5297	0.8000	0.0704	0.0284						
175	0.2770	0.7998	0.0352	0.0142						
180	0.	0.7997	0.	0.						

GAMMA = 0.6000 ALPHA = 11.000 K = 2.000

DC = 2.5125 XR = 1.1081 BR = 1.322640 TR = 53.26 CR = 0.9296 QR = 0.3339E 02										
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9140	1.0698	0.2590	0.9140	1.0698	0.2590			
5	1.0274	0.9063	1.0484	0.2599	0.9223	1.0907	0.2581	2.0108	2.0456	9.8364
10	1.0938	0.8989	1.0265	0.2608	0.9311	1.1111	0.2575	1.7281	1.7863	3.3790
15	1.1949	0.8920	1.0041	0.2615	0.9405	1.1312	0.2575	1.5842	1.6624	1.7985
20	1.3281	0.8854	0.9811	0.2618	0.9508	1.1509	0.2586	1.4890	1.5852	1.1527
25	1.4940	0.8792	0.9575	0.2618	0.9619	1.1704	0.2613	1.4179	1.5308	0.8235
30	1.6977	0.8733	0.9333	0.2614	0.9743	1.1899	0.2670	1.3603	1.4891	0.6358
35	1.9532	0.8677	0.9086	0.2604	0.9882	1.2097	0.2778	1.3109	1.4550	0.5246
40	2.2955	0.8623	0.8833	0.2590	1.0046	1.2302	0.2989	1.2660	1.4252	0.4645
45	2.8328	0.8573	0.8574	0.2570	1.0248	1.2526	0.3454	1.2222	1.3971	0.4550
50	4.1530	0.8524	0.8310	0.2544	1.0541	1.2804	0.4995	1.1733	1.3661	0.5696
55	0.9093	0.8478	0.8040	0.2512						
60	1.0203	0.8435	0.7765	0.2474						
65	1.1298	0.8394	0.7484	0.2429						
70	1.2363	0.8354	0.7198	0.2378						
75	1.3382	0.8317	0.6908	0.2321						
80	1.4341	0.8282	0.6612	0.2258						
85	1.5224	0.8249	0.6312	0.2189						
90	1.6015	0.8218	0.6007	0.2113						
95	1.6700	0.8189	0.5698	0.2032						
100	1.7263	0.8161	0.5384	0.1945						
105	1.7690	0.8136	0.5067	0.1852						
110	1.7966	0.8112	0.4746	0.1755						
115	1.8078	0.8090	0.4422	0.1652						
120	1.8013	0.8070	0.4095	0.1544						
125	1.7759	0.8051	0.3764	0.1432						
130	1.7304	0.8034	0.3431	0.1315						
135	1.6638	0.8019	0.3095	0.1195						
140	1.5751	0.8005	0.2757	0.1071						
145	1.4636	0.7993	0.2417	0.0944						
150	1.3285	0.7983	0.2075	0.0815						
155	1.1693	0.7974	0.1731	0.0683						
160	0.9854	0.7967	0.1387	0.0549						
165	0.7767	0.7961	0.1041	0.0413						
170	0.5428	0.7957	0.0694	0.0276						
175	0.2839	0.7955	0.0347	0.0138						
180	0.	0.7954	0.	0.						

GAMMA=0.600C ALPHA=11.000 K= 2.20

DC= 2.5445 XR= 1.10580 BR= 1.30290
TR=48.1644 CR= 0.84063 QR=28.15248

THETA	ST	X1	B1	S1
0	1.0000	0.9152	1.0596	0.2583
5	1.0318	0.9069	1.0381	0.2583
10	1.1061	0.8991	1.0161	0.2585
15	1.2196	0.8918	0.9937	0.2586
20	1.3701	0.8848	0.9707	0.2584
25	1.5619	0.8783	0.9472	0.2580
30	1.8080	0.8721	0.9232	0.2573
35	2.1424	0.8662	0.8986	0.2561
40	2.6726	0.8606	0.8734	0.2544
45	3.9956	0.8553	0.8477	0.2522
50	0.8210	0.8503	0.8215	0.2495
55	0.9346	0.8455	0.7947	0.2462
60	1.0481	0.8410	0.7675	0.2423
65	1.1600	0.8367	0.7397	0.2378
70	1.2688	0.8326	0.7114	0.2327
75	1.3729	0.8288	0.6826	0.2271
80	1.4707	0.8252	0.6533	0.2208
85	1.5607	0.8218	0.6236	0.2140
90	1.6413	0.8185	0.5934	0.2065
95	1.7110	0.8155	0.5628	0.1985
100	1.7683	0.8127	0.5319	0.1900
105	1.8116	0.8101	0.5005	0.1809
110	1.8395	0.8076	0.4688	0.1713
115	1.8506	0.8053	0.4367	0.1612
120	1.8436	0.8032	0.4044	0.1507
125	1.8173	0.8013	0.3717	0.1397
130	1.7705	0.7996	0.3388	0.1283
135	1.7022	0.7980	0.3056	0.1166
140	1.6113	0.7966	0.2722	0.1045
145	1.4971	0.7954	0.2386	0.0921
150	1.3588	0.7943	0.2049	0.0795
155	1.1958	0.7934	0.1710	0.0666
160	1.0078	0.7927	0.1369	0.0535
165	0.7942	0.7921	0.1028	0.0403
170	0.5551	0.7917	0.0686	0.0269
175	0.2903	0.7915	0.0343	0.0135
180	0.	0.7914	0.	0.

GAMMA=0.600C ALPHA=11.000 K= 2.60

DC= 2.6014 XR= 1.10228 BR= 1.27185
TR=40.4690 CR= 0.70632 QR=21.37973

THETA	ST	X1	B1	S1
0	1.0000	0.9172	1.0431	0.2595
5	1.0409	0.9079	1.0213	0.2575
10	1.1330	0.8992	0.9991	0.2560
15	1.2743	0.8910	0.9766	0.2549
20	1.4677	0.8834	0.9536	0.2537
25	1.7323	0.8763	0.9301	0.2525
30	2.1242	0.8695	0.9062	0.2510
35	2.8673	0.8632	0.8818	0.2492
40	0.6326	0.8571	0.8568	0.2471
45	0.7470	0.8514	0.8314	0.2445
50	0.8641	0.8461	0.8055	0.2415
55	0.9825	0.8410	0.7791	0.2380
60	1.1005	0.8361	0.7522	0.2340
65	1.2167	0.8316	0.7248	0.2294
70	1.3295	0.8273	0.6969	0.2243
75	1.4374	0.8232	0.6686	0.2187
80	1.5387	0.8194	0.6399	0.2125
85	1.6317	0.8158	0.6107	0.2058
90	1.7150	0.8124	0.5811	0.1985
95	1.7868	0.8092	0.5511	0.1907
100	1.8456	0.8062	0.5207	0.1824
105	1.8899	0.8035	0.4899	0.1736
110	1.9182	0.8009	0.4588	0.1643
115	1.9291	0.7985	0.4274	0.1546
120	1.9212	0.7963	0.3957	0.1444
125	1.8932	0.7943	0.3637	0.1339
130	1.8439	0.7925	0.3315	0.1229
135	1.7723	0.7908	0.2990	0.1117
140	1.6773	0.7894	0.2663	0.1001
145	1.5581	0.7881	0.2335	0.0882
150	1.4139	0.7870	0.2004	0.0761
155	1.2442	0.7860	0.1672	0.0637
160	1.0484	0.7853	0.1339	0.0512
165	0.8262	0.7847	0.1005	0.0385
170	0.5774	0.7842	0.0671	0.0257
175	0.3020	0.7840	0.0335	0.0129
180	0.	0.7839	0.	0.

GAMMA=0.600C ALPHA=11.000 K= 3.00

DC= 2.6508 XR= 1.09972 BR= 1.24851
TR=34.9240 CR= 0.60954 QR=17.21528

THETA	ST	X1	B1	S1
0	1.0000	0.9188	1.0305	0.2630
5	1.0507	0.9084	1.0082	0.2587
10	1.1630	0.8989	0.9857	0.2555
15	1.3375	0.8900	0.9629	0.2530
20	1.5893	0.8818	0.9398	0.2508
25	1.9777	0.8741	0.9163	0.2487
30	2.7570	0.8669	0.8924	0.2465
35	0.5496	0.8601	0.8681	0.2442
40	0.6644	0.8537	0.8433	0.2416
45	0.7832	0.8477	0.8181	0.2387
50	0.9046	0.8420	0.7924	0.2354
55	1.0271	0.8366	0.7662	0.2316
60	1.1491	0.8315	0.7396	0.2275
65	1.2691	0.8267	0.7126	0.2228
70	1.3855	0.8222	0.6850	0.2176
75	1.4967	0.8180	0.6571	0.2120
80	1.6009	0.8140	0.6287	0.2058
85	1.6966	0.8102	0.6000	0.1992
90	1.7820	0.8067	0.5708	0.1920
95	1.8556	0.8033	0.5413	0.1844
100	1.9158	0.8002	0.5114	0.1762
105	1.9609	0.7974	0.4811	0.1677
110	1.9894	0.7947	0.4506	0.1586
115	1.9999	0.7922	0.4197	0.1492
120	1.9910	0.7899	0.3885	0.1393
125	1.9614	0.7879	0.3571	0.1291
130	1.9098	0.7860	0.3254	0.1185
135	1.8352	0.7843	0.2935	0.1076
140	1.7365	0.7827	0.2614	0.0964
145	1.6128	0.7814	0.2291	0.0850
150	1.4633	0.7803	0.1967	0.0733
155	1.2875	0.7793	0.1641	0.0614
160	1.0848	0.7785	0.1314	0.0493
165	0.8548	0.7779	0.0987	0.0371
170	0.5973	0.7774	0.0658	0.0248
175	0.3124	0.7772	0.0329	0.0124
180	0.	0.7771	0.	0.

GAMMA=0.600C ALPHA=11.000 K= 4.00

DC= 2.7528 XR= 1.09558 BR= 1.20950
TR=26.0535 CR= 0.45472 QR=11.57007

THETA	ST	X1	B1	S1
0	1.0000	0.9215	1.0087	0.2779
5	1.0781	0.9088	0.9849	0.2667
10	1.2512	0.8973	0.9613	0.2587
15	1.5457	0.8869	0.9379	0.2526
20	2.1068	0.8773	0.9143	0.2477
25	4.7604	0.8685	0.8906	0.2435
30	0.4942	0.8602	0.8666	0.2396
35	0.6132	0.8526	0.8423	0.2359
40	0.7375	0.8454	0.8177	0.2323
45	0.8657	0.8387	0.7927	0.2285
50	0.9961	0.8324	0.7673	0.2245
55	1.1274	0.8265	0.7416	0.2202
60	1.2577	0.8209	0.7155	0.2156
65	1.3857	0.8157	0.6890	0.2107
70	1.5094	0.8108	0.6622	0.2053
75	1.6272	0.8061	0.6349	0.1996
80	1.7375	0.8018	0.6073	0.1935
85	1.8384	0.7977	0.5793	0.1869
90	1.9282	0.7939	0.5510	0.1799
95	2.0052	0.7904	0.5223	0.1725
100	2.0677	0.7870	0.4934	0.1647
105	2.1141	0.7839	0.4641	0.1566
110	2.1428	0.7811	0.4345	0.1480
115	2.1522	0.7784	0.4046	0.1390
120	2.1410	0.7760	0.3745	0.1298
125	2.1076	0.7738	0.3442	0.1202
130	2.0509	0.7717	0.3136	0.1102
135	1.9696	0.7699	0.2828	0.1000
140	1.8627	0.7683	0.2518	0.0896
145	1.7293	0.7669	0.2207	0.0789
150	1.5684	0.7657	0.1895	0.0680
155	1.3795	0.7646	0.1581	0.0570
160	1.1620	0.7638	0.1266	0.0457
165	0.9155	0.7631	0.0950	0.0344
170	0.6396	0.7627	0.0634	0.0230
175	0.3345	0.7624	0.0317	0.0115
180	0.	0.7623	0.	0.

GAMMA=0.6000 ALPHA=11.000 K= 6.00
DC= 2.9042 XR= 1.09145 BR= 1.16904
TR=17.3101 CR= 0.30212 QR= 6.99264

THETA	ST	X1	B1	S1
0	1.0000	0.9247	0.9852	0.3196
5	1.1455	0.9074	0.9579	0.2907
10	1.5121	0.8926	0.9320	0.2718
15	2.6662	0.8796	0.9069	0.2584
20	0.3413	0.8680	0.8822	0.2482
25	0.4615	0.8574	0.8577	0.2401
30	0.5894	0.8478	0.8333	0.2334
35	0.7238	0.8389	0.8088	0.2274
40	0.8629	0.8306	0.7842	0.2219
45	1.0053	0.8230	0.7594	0.2166
50	1.1495	0.8159	0.7344	0.2115
55	1.2938	0.8092	0.7091	0.2063
60	1.4365	0.8030	0.6836	0.2011
65	1.5759	0.7972	0.6578	0.1956
70	1.7102	0.7918	0.6317	0.1900
75	1.8375	0.7867	0.6053	0.1840
80	1.9561	0.7819	0.5786	0.1778
85	2.0641	0.7774	0.5517	0.1713
90	2.1596	0.7733	0.5244	0.1645
95	2.2409	0.7694	0.4969	0.1574
100	2.3062	0.7658	0.4691	0.1500
105	2.3537	0.7624	0.4411	0.1423
110	2.3817	0.7593	0.4128	0.1343
115	2.3886	0.7564	0.3843	0.1260
120	2.3729	0.7538	0.3556	0.1174
125	2.3331	0.7514	0.3267	0.1086
130	2.2678	0.7492	0.2976	0.0995
135	2.1758	0.7473	0.2683	0.0902
140	2.0560	0.7456	0.2389	0.0807
145	1.9073	0.7440	0.2093	0.0711
150	1.7288	0.7427	0.1797	0.0612
155	1.5198	0.7416	0.1499	0.0512
160	1.2796	0.7407	0.1200	0.0411
165	1.0077	0.7400	0.0901	0.0309
170	0.7040	0.7395	0.0601	0.0207
175	0.3681	0.7392	0.0300	0.0103
180	0.	0.7391	0.	0.

GAMMA=0.6000 ALPHA=11.000 K= 8.00
DC= 3.0188 XR= 1.08938 BR= 1.14822
TR=12.9700 CR= 0.22637 QR= 5.01449

THETA	ST	X1	B1	S1
0	1.0000	0.9264	0.9728	0.3678
5	1.2318	0.9049	0.9418	0.3165
10	2.0364	0.8874	0.9136	0.2860
15	0.2739	0.8723	0.8869	0.2656
20	0.3983	0.8591	0.8612	0.2508
25	0.5315	0.8473	0.8360	0.2395
30	0.6719	0.8367	0.8111	0.2303
35	0.8180	0.8269	0.7864	0.2226
40	0.9685	0.8180	0.7617	0.2157
45	1.1217	0.8097	0.7369	0.2093
50	1.2762	0.8021	0.7121	0.2033
55	1.4301	0.7949	0.6871	0.1975
60	1.5818	0.7883	0.6619	0.1917
65	1.7294	0.7821	0.6365	0.1859
70	1.8712	0.7763	0.6109	0.1800
75	2.0052	0.7709	0.5851	0.1739
80	2.1295	0.7659	0.5590	0.1677
85	2.2422	0.7612	0.5327	0.1612
90	2.3414	0.7568	0.5062	0.1545
95	2.4252	0.7527	0.4795	0.1476
100	2.4918	0.7489	0.4525	0.1404
105	2.5394	0.7454	0.4253	0.1330
110	2.5662	0.7422	0.3979	0.1253
115	2.5705	0.7392	0.3704	0.1174
120	2.5508	0.7364	0.3426	0.1093
125	2.5056	0.7339	0.3147	0.1010
130	2.4333	0.7317	0.2866	0.0925
135	2.3328	0.7297	0.2583	0.0838
140	2.2028	0.7278	0.2300	0.0749
145	2.0423	0.7263	0.2015	0.0659
150	1.8502	0.7249	0.1729	0.0567
155	1.6258	0.7237	0.1442	0.0475
160	1.3683	0.7228	0.1155	0.0381
165	1.0774	0.7221	0.0867	0.0286
170	0.7524	0.7215	0.0578	0.0191
175	0.3934	0.7212	0.0289	0.0096
180	0.	0.7211	0.	0.

GAMMA=0.6000 ALPHA=11.000 K= 10.00
DC= 3.1128 XR= 1.08814 BR= 1.13553
TR=10.3724 CR= 0.18103 QR= 3.91026

THETA	ST	X1	B1	S1
0	1.0000	0.9274	0.9651	0.4186
5	1.3419	0.9021	0.9305	0.3413
10	0.1877	0.8821	0.9001	0.2991
15	0.3139	0.8654	0.8721	0.2723
20	0.4500	0.8510	0.8454	0.2535
25	0.5940	0.8382	0.8196	0.2395
30	0.7447	0.8268	0.7943	0.2284
35	0.9005	0.8164	0.7694	0.2191
40	1.0602	0.8069	0.7446	0.2112
45	1.2221	0.7982	0.7199	0.2040
50	1.3847	0.7902	0.6951	0.1974
55	1.5463	0.7827	0.6703	0.1910
60	1.7050	0.7758	0.6454	0.1849
65	1.8591	0.7693	0.6203	0.1788
70	2.0065	0.7633	0.5951	0.1726
75	2.1455	0.7577	0.5697	0.1664
80	2.2740	0.7525	0.5441	0.1601
85	2.3901	0.7477	0.5183	0.1537
90	2.4918	0.7431	0.4923	0.1471
95	2.5772	0.7389	0.4661	0.1403
100	2.6445	0.7350	0.4398	0.1333
105	2.6917	0.7314	0.4133	0.1261
110	2.7171	0.7280	0.3866	0.1187
115	2.7189	0.7249	0.3597	0.1111
120	2.6957	0.7221	0.3327	0.1033
125	2.6457	0.7196	0.3055	0.0954
130	2.5675	0.7172	0.2782	0.0873
135	2.4598	0.7151	0.2507	0.0790
140	2.3214	0.7133	0.2232	0.0706
145	2.1511	0.7117	0.1955	0.0621
150	1.9479	0.7102	0.1677	0.0534
155	1.7110	0.7091	0.1399	0.0447
160	1.4397	0.7081	0.1120	0.0358
165	1.1333	0.7074	0.0840	0.0269
170	0.7914	0.7068	0.0561	0.0180
175	0.4137	0.7065	0.0280	0.0090
180	0.	0.7064	0.	0.

GAMMA=0.6000 ALPHA=11.000 K= 20.00
DC= 3.4412 XR= 1.08565 BR= 1.10968
TR= 4.1854 CR= 0.07305 QR= 1.86310

THETA	ST	X1	B1	S1
0	1.0000	0.9295	0.9488	0.6792
5	0.1380	0.8876	0.8982	0.4399
10	0.3061	0.8590	0.8598	0.3449
15	0.4789	0.8370	0.8270	0.2937
20	0.6558	0.8188	0.7973	0.2613
25	0.8371	0.8032	0.7695	0.2386
30	1.0223	0.7896	0.7430	0.2217
35	1.2104	0.7775	0.7174	0.2083
40	1.4002	0.7666	0.6923	0.1972
45	1.5903	0.7567	0.6676	0.1877
50	1.7789	0.7476	0.6432	0.1793
55	1.9643	0.7393	0.6189	0.1716
60	2.1446	0.7316	0.5948	0.1644
65	2.3178	0.7245	0.5707	0.1576
70	2.4818	0.7179	0.5466	0.1510
75	2.6348	0.7118	0.5224	0.1445
80	2.7744	0.7061	0.4983	0.1382
85	2.8988	0.7008	0.4740	0.1318
90	3.0058	0.6960	0.4497	0.1254
95	3.0934	0.6914	0.4254	0.1190
100	3.1597	0.6872	0.4009	0.1126
105	3.2027	0.6833	0.3764	0.1061
110	3.2207	0.6798	0.3517	0.0995
115	3.2117	0.6765	0.3270	0.0928
120	3.1741	0.6735	0.3022	0.0860
125	3.1063	0.6707	0.2773	0.0792
130	3.0067	0.6682	0.2524	0.0723
135	2.8740	0.6660	0.2273	0.0653
140	2.7067	0.6641	0.2022	0.0582
145	2.5036	0.6623	0.1771	0.0511
150	2.2636	0.6609	0.1519	0.0439
155	1.9857	0.6596	0.1266	0.0367
160	1.6691	0.6586	0.1014	0.0294
165	1.3127	0.6578	0.0760	0.0221
170	0.9162	0.6572	0.0507	0.0147
175	0.4787	0.6569	0.0254	0.0074
180	0.	0.6568	0.	0.

GAMMA = 0.6000

ALPHA = 12.000

K = 0.200

DC = 1.7670

X0 = 1.6464

B0 = 2.207001

V2 = -0.3440E 01

TIME	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8878	1.3191	0.5153	0.8878	1.5191	0.5496			
5	0.9946	0.8864	1.4891	0.5198	0.8893	1.5483	0.5442	3.3732	3.4334	29.5855
10	1.0148	0.8881	1.4982	0.5234	0.8907	1.5766	0.5382	2.8696	2.9695	9.9948
15	1.0519	0.8897	1.4265	0.5261	0.8921	1.6041	0.5315	2.6167	2.7504	5.1807
20	1.1026	0.8829	1.3939	0.5277	0.8935	1.6307	0.5243	2.4552	2.6186	3.1951
25	1.1643	0.8810	1.3804	0.5282	0.8950	1.6594	0.5166	2.3391	2.5294	2.1650
30	1.2361	0.8797	1.3261	0.5276	0.8964	1.6813	0.5084	2.2503	2.4652	1.5557
35	1.3157	0.8784	1.2910	0.5259	0.8978	1.7053	0.4998	2.1795	2.4171	1.1635
40	1.4020	0.8771	1.2390	0.5230	0.8993	1.7288	0.4909	2.1213	2.3799	0.8934
45	1.4936	0.8759	1.2182	0.5189	0.9007	1.7510	0.4817	2.0725	2.3506	0.7041
50	1.5894	0.8747	1.1807	0.5136	0.9021	1.7726	0.4723	2.0308	2.3271	0.5630
55	1.6881	0.8733	1.1423	0.5071	0.9035	1.7934	0.4628	1.9948	2.3080	0.4561
60	1.7884	0.8722	1.1032	0.4993	0.9049	1.8134	0.4531	1.9634	2.2923	0.3734
65	1.8892	0.8712	1.0633	0.4902	0.9063	1.8327	0.4434	1.9356	2.2794	0.3084
70	1.9893	0.8701	1.0227	0.4799	0.9076	1.8512	0.4338	1.9110	2.2686	0.2566
75	2.0874	0.8691	0.9814	0.4684	0.9089	1.8689	0.4241	1.8890	2.2596	0.2148
80	2.1824	0.8681	0.9394	0.4556	0.9103	1.8860	0.4146	1.8692	2.2520	0.1807
85	2.2737	0.8671	0.8968	0.4416	0.9116	1.9023	0.4053	1.8514	2.2455	0.1527
90	2.3597	0.8662	0.8535	0.4264	0.9128	1.9179	0.3962	1.8353	2.2401	0.1296
95	2.4395	0.8653	0.8096	0.4100	0.9141	1.9329	0.3873	1.8207	2.2354	0.1104
100	2.5122	0.8646	0.7651	0.3923	0.9153	1.9473	0.3788	1.8073	2.2315	0.0943
105	2.5770	0.8637	0.7201	0.3738	0.9165	1.9610	0.3705	1.7952	2.2281	0.0809
110	2.6330	0.8630	0.6745	0.3541	0.9177	1.9740	0.3627	1.7840	2.2252	0.0695
115	2.6795	0.8623	0.6285	0.3334	0.9188	1.9865	0.3552	1.7738	2.2227	0.0600
120	2.7158	0.8616	0.5820	0.3117	0.9199	1.9985	0.3482	1.7645	2.2206	0.0519
125	2.7514	0.8610	0.5350	0.2891	0.9210	2.0098	0.3416	1.7559	2.2187	0.0451
130	2.7859	0.8603	0.4877	0.2656	0.9220	2.0206	0.3355	1.7479	2.2171	0.0394
135	2.8187	0.8600	0.4400	0.2414	0.9231	2.0309	0.3300	1.7406	2.2158	0.0346
140	2.8498	0.8595	0.3919	0.2164	0.9241	2.0408	0.3249	1.7339	2.2146	0.0305
145	2.8789	0.8591	0.3436	0.1908	0.9250	2.0501	0.3205	1.7276	2.2136	0.0272
150	2.9060	0.8588	0.2950	0.1647	0.9259	2.0589	0.3165	1.7219	2.2127	0.0244
155	2.9313	0.8586	0.2462	0.1380	0.9268	2.0674	0.3132	1.7165	2.2119	0.0222
160	2.9550	0.8582	0.1971	0.1109	0.9277	2.0755	0.3105	1.7116	2.2113	0.0204
165	2.9775	0.8581	0.1480	0.0835	0.9285	2.0829	0.3083	1.7070	2.2107	0.0191
170	2.9994	0.8579	0.0987	0.0558	0.9293	2.0901	0.3068	1.7028	2.2102	0.0182
175	2.9612	0.8578	0.0494	0.0279	0.9301	2.0969	0.3059	1.6988	2.2098	0.0176
180	2.2638	0.8578	0.	0.	0.9308	2.1034	0.3055	1.6952	2.2094	0.0174

GAMMA = 0.6000

ALPHA = 12.000

K = 0.400

DC = 1.9734

X0 = 1.4065

B0 = 1.892651

V2 = -0.3963E 01

TIME	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8962	1.3447	0.3900	0.8962	1.3447	0.4137			
5	0.9989	0.8939	1.3189	0.3949	0.8985	1.3698	0.4081	2.8635	2.9143	20.9629
10	1.0237	0.8917	1.2924	0.3991	0.9008	1.3936	0.4019	2.4430	2.5273	7.0837
15	1.0660	0.8895	1.2650	0.4026	0.9032	1.4169	0.3952	2.2327	2.3454	3.6728
20	1.1225	0.8873	1.2369	0.4051	0.9056	1.4393	0.3881	2.0977	2.2356	2.2644
25	1.1909	0.8852	1.2079	0.4088	0.9080	1.4610	0.3806	2.0009	2.1616	1.5337
30	1.2694	0.8831	1.1781	0.4076	0.9104	1.4819	0.3727	1.9269	2.1084	1.1018
35	1.3563	0.8811	1.1475	0.4075	0.9128	1.5019	0.3645	1.8679	2.0686	0.8239
40	1.4502	0.8791	1.1161	0.4083	0.9153	1.5212	0.3561	1.8193	2.0379	0.6541
45	1.5495	0.8772	1.0839	0.4042	0.9177	1.5397	0.3474	1.7787	2.0136	0.4989
50	1.6528	0.8753	1.0510	0.4010	0.9202	1.5578	0.3387	1.7439	1.9942	0.3992
55	1.7688	0.8733	1.0173	0.3968	0.9226	1.5746	0.3299	1.7138	1.9784	0.3238
60	1.8860	0.8717	0.9829	0.3916	0.9251	1.5909	0.3210	1.6874	1.9654	0.2655
65	1.9730	0.8701	0.9478	0.3853	0.9275	1.6085	0.3122	1.6641	1.9547	0.2197
70	2.0788	0.8684	0.9120	0.3779	0.9300	1.6214	0.3035	1.6434	1.9457	0.1893
75	2.1812	0.8668	0.8755	0.3695	0.9324	1.6357	0.2948	1.6248	1.9382	0.1538
80	2.2799	0.8653	0.8383	0.3600	0.9348	1.6493	0.2864	1.6081	1.9318	0.1299
85	2.3726	0.8639	0.8006	0.3493	0.9372	1.6623	0.2779	1.5930	1.9264	0.1102
90	2.4593	0.8625	0.7622	0.3379	0.9396	1.6746	0.2698	1.5793	1.9219	0.0940
95	2.5384	0.8612	0.7232	0.3254	0.9419	1.6864	0.2621	1.5668	1.9179	0.0804
100	2.6008	0.8600	0.6836	0.3118	0.9442	1.6976	0.2546	1.5554	1.9146	0.0691
105	2.6694	0.8588	0.6436	0.2974	0.9465	1.7083	0.2475	1.5449	1.9117	0.0596
110	2.7195	0.8577	0.6030	0.2820	0.9488	1.7184	0.2407	1.5353	1.9092	0.0516
115	2.7581	0.8567	0.5620	0.2658	0.9510	1.7280	0.2343	1.5264	1.9071	0.0448
120	2.7846	0.8558	0.5205	0.2487	0.9532	1.7371	0.2283	1.5183	1.9052	0.0391
125	2.7982	0.8549	0.4786	0.2308	0.9553	1.7458	0.2227	1.5107	1.9036	0.0343
130	2.7985	0.8541	0.4363	0.2123	0.9574	1.7540	0.2175	1.5037	1.9022	0.0302
135	2.7852	0.8533	0.3937	0.1930	0.9595	1.7618	0.2128	1.4973	1.9010	0.0267
140	2.7578	0.8527	0.3507	0.1732	0.9615	1.7691	0.2086	1.4913	1.8999	0.0238
145	2.7163	0.8521	0.3075	0.1528	0.9635	1.7761	0.2048	1.4857	1.8990	0.0214
150	2.6507	0.8516	0.2640	0.1319	0.9655	1.7827	0.2015	1.4805	1.8982	0.0194
155	2.5911	0.8512	0.2204	0.1105	0.9673	1.7889	0.1987	1.4757	1.8975	0.0178
160	2.5078	0.8508	0.1765	0.0889	0.9692	1.7946	0.1965	1.4712	1.8969	0.0166
165	2.4113	0.8506	0.1325	0.0669	0.9710	1.8004	0.1947	1.4671	1.8964	0.0156
170	2.3022	0.8504	0.0884	0.0447	0.9727	1.8057	0.1934	1.4632	1.8959	0.0149
175	2.1813	0.8503	0.0442	0.0224	0.9744	1.8106	0.1926	1.4595	1.8955	0.0145
180	2.0497	0.8502	0.	0.	0.9760	1.8153	0.1924	1.4562	1.8952	0.0144

GAMMA = 0.6000 ALPHA = 12.000 K = 0.600											
DC = 2.0957 XR = 1.1889 BR = 1.721854 TR = 168.66 CR = 9.2268 QR = 0.3905E 07											
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9018	1.2588	0.3349	0.9018	1.2588	0.3481				
5	1.0024	0.8988	1.2352	0.3400	0.9049	1.2816	0.3424	2.6054	2.6513	17.1515	
10	1.0306	0.8958	1.2107	0.3445	0.9081	1.3036	0.3362	2.2274	2.3037	5.8026	
15	1.0769	0.8929	1.1855	0.3482	0.9113	1.3248	0.3295	2.0377	2.1399	3.0098	
20	1.1380	0.8901	1.1595	0.3511	0.9145	1.3453	0.3224	1.9164	2.0414	1.8574	
25	1.2116	0.8873	1.1327	0.3533	0.9178	1.3649	0.3149	1.8293	1.9750	1.2599	
30	1.2957	0.8846	1.1051	0.3546	0.9212	1.3838	0.3071	1.7626	1.9272	0.9069	
35	1.3887	0.8820	1.0767	0.3550	0.9246	1.4019	0.2990	1.7093	1.8914	0.6800	
40	1.4888	0.8795	1.0475	0.3546	0.9280	1.4192	0.2908	1.6654	1.8637	0.5253	
45	1.5944	0.8770	1.0176	0.3532	0.9315	1.4358	0.2823	1.6284	1.8417	0.4151	
50	1.7039	0.8746	0.9869	0.3509	0.9350	1.4517	0.2738	1.5967	1.8241	0.3339	
55	1.8157	0.8723	0.9555	0.3477	0.9386	1.4668	0.2652	1.5691	1.8096	0.2726	
60	1.9281	0.8701	0.9234	0.3435	0.9421	1.4813	0.2566	1.5448	1.7977	0.2252	
65	2.0398	0.8680	0.8906	0.3383	0.9457	1.4950	0.2480	1.5233	1.7878	0.1879	
70	2.1492	0.8659	0.8571	0.3322	0.9493	1.5081	0.2395	1.5040	1.7794	0.1583	
75	2.2548	0.8639	0.8236	0.3251	0.9529	1.5206	0.2312	1.4866	1.7724	0.1343	
80	2.3552	0.8621	0.7882	0.3170	0.9566	1.5324	0.2230	1.4709	1.7663	0.1148	
85	2.4491	0.8603	0.7528	0.3080	0.9602	1.5436	0.2150	1.4565	1.7612	0.0987	
90	2.5353	0.8586	0.7168	0.2980	0.9639	1.5543	0.2072	1.4434	1.7567	0.0854	
95	2.6124	0.8569	0.6802	0.2871	0.9676	1.5643	0.1997	1.4313	1.7529	0.0743	
100	2.6793	0.8554	0.6431	0.2754	0.9712	1.5739	0.1925	1.4202	1.7495	0.0651	
105	2.7350	0.8540	0.6055	0.2627	0.9749	1.5829	0.1857	1.4099	1.7466	0.0572	
110	2.7785	0.8526	0.5674	0.2493	0.9785	1.5914	0.1792	1.4004	1.7441	0.0506	
115	2.8091	0.8514	0.5288	0.2350	0.9821	1.5994	0.1731	1.3915	1.7419	0.0450	
120	2.8258	0.8502	0.4898	0.2200	0.9858	1.6070	0.1673	1.3832	1.7399	0.0403	
125	2.8281	0.8491	0.4504	0.2043	0.9894	1.6141	0.1620	1.3754	1.7382	0.0362	
130	2.8155	0.8481	0.4107	0.1879	0.9929	1.6208	0.1571	1.3682	1.7366	0.0328	
135	2.7877	0.8473	0.3706	0.1709	0.9965	1.6271	0.1526	1.3614	1.7353	0.0300	
140	2.7443	0.8465	0.3302	0.1534	1.0001	1.6331	0.1486	1.3550	1.7341	0.0275	
145	2.6855	0.8458	0.2895	0.1354	1.0036	1.6387	0.1451	1.3489	1.7330	0.0255	
150	2.6115	0.8451	0.2486	0.1169	1.0070	1.6439	0.1420	1.3432	1.7320	0.0239	
155	2.5228	0.8446	0.2075	0.0980	1.0105	1.6488	0.1394	1.3379	1.7312	0.0227	
160	2.4212	0.8442	0.1662	0.0788	1.0139	1.6534	0.1374	1.3328	1.7304	0.0218	
165	2.2736	0.8439	0.1248	0.0593	1.0173	1.6578	0.1340	1.3280	1.7297	0.0201	
170	2.1390	0.8436	0.0832	0.0397	1.0207	1.6618	0.1328	1.3234	1.7291	0.0195	
175	1.9913	0.8435	0.0416	0.0199	1.0240	1.6656	0.1321	1.3190	1.7285	0.0192	
180	1.8319	0.8435	0.	0.	1.0273	1.6692	0.1319	1.3149	1.7280	0.0190	

GAMMA = 0.6000 ALPHA = 12.000 K = 0.800											
DC = 2.1826 XR = 1.1435 BR = 1.595292 TR = 179.77 CR = 3.1376 QR = 0.1445E 04											
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9060	1.2051	0.3036	0.9060	1.2051	0.3036				
5	1.0052	0.9023	1.1827	0.3087	0.9098	1.2267	0.2980	2.4379	2.4807	14.8814	
10	1.0359	0.8987	1.1596	0.3131	0.9137	1.2475	0.2919	2.0873	2.1585	5.0384	
15	1.0851	0.8952	1.1356	0.3169	0.9177	1.2675	0.2852	1.9115	2.0068	2.6157	
20	1.1497	0.8917	1.1109	0.3199	0.9218	1.2868	0.2781	1.7987	1.9154	1.6164	
25	1.2274	0.8884	1.0853	0.3222	0.9260	1.3053	0.2707	1.7176	1.8536	1.0987	
30	1.3161	0.8852	1.0590	0.3237	0.9303	1.3230	0.2629	1.6554	1.8091	0.7932	
35	1.4138	0.8821	1.0320	0.3244	0.9347	1.3399	0.2548	1.6054	1.7756	0.5971	
40	1.5187	0.8791	1.0042	0.3243	0.9391	1.3562	0.2465	1.5641	1.7496	0.4634	
45	1.6289	0.8761	0.9756	0.3233	0.9437	1.3717	0.2379	1.5291	1.7288	0.3683	
50	1.7425	0.8733	0.9464	0.3214	0.9483	1.3865	0.2293	1.4990	1.7120	0.2983	
55	1.8578	0.8706	0.9164	0.3187	0.9530	1.4005	0.2206	1.4725	1.6981	0.2464	
60	1.9731	0.8680	0.8857	0.3150	0.9578	1.4139	0.2118	1.4491	1.6866	0.2045	
65	2.0865	0.8655	0.8543	0.3105	0.9627	1.4267	0.2030	1.4282	1.6768	0.1724	
70	2.1966	0.8631	0.8222	0.3050	0.9677	1.4388	0.1943	1.4092	1.6685	0.1458	
75	2.3015	0.8608	0.7895	0.2986	0.9727	1.4503	0.1857	1.3920	1.6614	0.1262	
80	2.3999	0.8587	0.7562	0.2913	0.9779	1.4611	0.1771	1.3761	1.6552	0.1093	
85	2.4900	0.8566	0.7223	0.2831	0.9831	1.4714	0.1688	1.3615	1.6498	0.0955	
90	2.5706	0.8546	0.6878	0.2741	0.9884	1.4812	0.1606	1.3480	1.6451	0.0840	
95	2.6402	0.8527	0.6528	0.2641	0.9938	1.4904	0.1526	1.3353	1.6409	0.0745	
100	2.6975	0.8510	0.6172	0.2534	0.9994	1.4990	0.1449	1.3234	1.6371	0.0665	
105	2.7415	0.8493	0.5812	0.2418	1.0050	1.5072	0.1374	1.3122	1.6338	0.0597	
110	2.7711	0.8478	0.5446	0.2295	1.0107	1.5150	0.1302	1.3016	1.6307	0.0541	
115	2.7853	0.8463	0.5076	0.2164	1.0166	1.5222	0.1233	1.2914	1.6280	0.0493	
120	2.7835	0.8450	0.4702	0.2026	1.0226	1.5291	0.1168	1.2816	1.6254	0.0453	
125	2.7651	0.8438	0.4324	0.1882	1.0287	1.5356	0.1106	1.2722	1.6231	0.0420	
130	2.7299	0.8427	0.3943	0.1731	1.0351	1.5417	0.1048	1.2631	1.6209	0.0393	
135	2.6779	0.8417	0.3558	0.1575	1.0416	1.5475	0.0994	1.2542	1.6188	0.0372	
140	2.6098	0.8407	0.3170	0.1414	1.0483	1.5529	0.0945	1.2454	1.6169	0.0356	
145	2.5268	0.8399	0.2780	0.1247	1.0553	1.5581	0.0901	1.2366	1.6150	0.0345	
150	2.4317	0.8393	0.2387	0.1077	1.0627	1.5630	0.0863	1.2278	1.6131	0.0340	
155	2.3291	0.8387	0.1992	0.0903	1.0706	1.5677	0.0833	1.2188	1.6113	0.0343	
160	2.2286	0.8382	0.1596	0.0726	1.0790	1.5723	0.0814	1.2095	1.6094	0.0356	
165	2.1508	0.8378	0.1198	0.0547	1.0884	1.5768	0.0814	1.1995	1.6074	0.0387	
170	2.1508	0.8375	0.0799	0.0366	1.0992	1.5814	0.0852	1.1882	1.6051	0.0454	
175	2.4610	0.8374	0.0400	0.0183	1.1129	1.5864	0.1009	1.1742	1.6023	0.0640	
180	0.	0.8373	0.	0.							

GAMMA = 0.6000

ALPHA = 12.000

K = 1.000

DC = 2.2501 XR = 1.1272 BR = 1.509618 TR = 125.97 CR = 2.1986 QR = 0.3347E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9093	1.1676	0.2839	0.9093	1.1676	0.2839			
5	1.0088	0.9049	1.1460	0.2887	0.9138	1.1885	0.2785	2.3164	2.3570	13.3352
10	1.0437	0.9007	1.1237	0.2930	0.9184	1.2085	0.2726	1.9855	2.0530	4.6199
15	1.0984	0.8966	1.1005	0.2966	0.9232	1.2279	0.2663	1.8194	1.9098	2.3504
20	1.1700	0.8927	1.0766	0.2996	0.9281	1.2464	0.2596	1.7129	1.8235	1.4563
25	1.2559	0.8889	1.0520	0.3019	0.9331	1.2642	0.2526	1.6360	1.7650	0.9936
30	1.3539	0.8852	1.0266	0.3034	0.9384	1.2813	0.2452	1.5767	1.7227	0.7210
35	1.4621	0.8816	1.0004	0.3042	0.9437	1.2976	0.2377	1.5289	1.6906	0.5461
40	1.5783	0.8782	0.9735	0.3042	0.9492	1.3132	0.2300	1.4891	1.6656	0.4272
45	1.7009	0.8749	0.9459	0.3033	0.9549	1.3282	0.2221	1.4552	1.6453	0.3427
50	1.8279	0.8717	0.9175	0.3017	0.9608	1.3424	0.2142	1.4256	1.6288	0.2807
55	1.9577	0.8687	0.8885	0.2992	0.9669	1.3560	0.2063	1.3995	1.6150	0.2340
60	2.0888	0.8657	0.8588	0.2958	0.9731	1.3690	0.1985	1.3761	1.6033	0.1982
65	2.2196	0.8629	0.8284	0.2916	0.9796	1.3814	0.1908	1.3549	1.5933	0.1703
70	2.3491	0.8602	0.7973	0.2865	0.9863	1.3931	0.1832	1.3354	1.5845	0.1483
75	2.4761	0.8577	0.7657	0.2806	0.9933	1.4043	0.1760	1.3174	1.5769	0.1308
80	2.6000	0.8553	0.7334	0.2738	1.0006	1.4150	0.1691	1.3005	1.5700	0.1170
85	2.7207	0.8530	0.7005	0.2661	1.0082	1.4252	0.1626	1.2844	1.5638	0.1062
90	2.8388	0.8508	0.6671	0.2576	1.0162	1.4349	0.1568	1.2691	1.5581	0.0979
95	2.9563	0.8487	0.6331	0.2483	1.0246	1.4443	0.1518	1.2542	1.5528	0.0918
100	3.0777	0.8467	0.5986	0.2383	1.0337	1.4533	0.1479	1.2396	1.5477	0.0881
105	3.2123	0.8449	0.5637	0.2274	1.0436	1.4621	0.1457	1.2249	1.5428	0.0869
110	3.3810	0.8432	0.5282	0.2158	1.0545	1.4708	0.1465	1.2097	1.5378	0.0893
115	3.6375	0.8416	0.4924	0.2035	1.0672	1.4796	0.1590	1.1934	1.5326	0.0979
120	4.1799	0.8402	0.4561	0.1906	1.0831	1.4891	0.1760	1.1745	1.5264	0.1234
125	1.6057	0.8388	0.4194	0.1770						
130	1.5668	0.8376	0.3824	0.1629						
135	1.5085	0.8365	0.3451	0.1482						
140	1.4298	0.8355	0.3075	0.1330						
145	1.3299	0.8346	0.2696	0.1174						
150	1.2083	0.8338	0.2315	0.1013						
155	1.0642	0.8332	0.1932	0.0850						
160	0.8974	0.8327	0.1548	0.0683						
165	0.7077	0.8323	0.1162	0.0514						
170	0.4948	0.8320	0.0775	0.0344						
175	0.2588	0.8318	0.0388	0.0172						
180	0.	0.8317	0.	0.						

GAMMA = 0.6000

ALPHA = 12.000

K = 1.200

DC = 2.3053 XR = 1.1178 BR = 1.448352 TR = 99.04 CR = 1.7286 QR = 0.1578E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9119	1.1398	0.2707	0.9119	1.1398	0.2707			
5	1.0124	0.9070	1.1186	0.2753	0.9171	1.1601	0.2657	2.2223	2.2611	12.1955
10	1.0519	0.9022	1.0968	0.2793	0.9224	1.1797	0.2603	1.9067	1.9713	4.1392
15	1.1129	0.8976	1.0742	0.2827	0.9279	1.1986	0.2545	1.7481	1.8347	2.1573
20	1.1925	0.8932	1.0509	0.2855	0.9336	1.2168	0.2484	1.6460	1.7520	1.3414
25	1.2881	0.8889	1.0268	0.2876	0.9396	1.2343	0.2420	1.5721	1.6958	0.9198
30	1.3974	0.8848	1.0020	0.2891	0.9458	1.2510	0.2354	1.5148	1.6549	0.6717
35	1.5186	0.8808	0.9765	0.2898	0.9522	1.2671	0.2288	1.4683	1.6237	0.5130
40	1.6499	0.8771	0.9502	0.2898	0.9589	1.2825	0.2221	1.4293	1.5990	0.4055
45	1.7898	0.8734	0.9232	0.2890	0.9659	1.2973	0.2155	1.3957	1.5789	0.3295
50	1.9370	0.8699	0.8956	0.2874	0.9732	1.3115	0.2090	1.3662	1.5622	0.2742
55	2.0910	0.8666	0.8672	0.2850	0.9809	1.3252	0.2029	1.3397	1.5480	0.2332
60	2.2516	0.8634	0.8382	0.2818	0.9891	1.3383	0.1972	1.3155	1.5357	0.2024
65	2.4197	0.8603	0.8086	0.2778	0.9977	1.3509	0.1922	1.2931	1.5249	0.1795
70	2.5981	0.8574	0.7783	0.2730	1.0070	1.3631	0.1883	1.2720	1.5151	0.1627
75	2.7929	0.8546	0.7473	0.2673	1.0171	1.3750	0.1860	1.2517	1.5060	0.1516
80	3.0173	0.8519	0.7158	0.2608	1.0282	1.3868	0.1864	1.2317	1.4974	0.1460
85	3.2624	0.8494	0.6838	0.2535	1.0408	1.3986	0.1917	1.2114	1.4889	0.1476
90	3.7380	0.8471	0.6511	0.2455	1.0558	1.4109	0.2082	1.1896	1.4799	0.1621
95	4.7519	0.8448	0.6180	0.2366	1.0761	1.4251	0.2660	1.1635	1.4690	0.2192
100	1.6138	0.8427	0.5843	0.2270						
105	1.6573	0.8407	0.5502	0.2167						
110	1.6866	0.8389	0.5156	0.2056						
115	1.7003	0.8372	0.4806	0.1939						
120	1.6972	0.8356	0.4452	0.1816						
125	1.6758	0.8342	0.4094	0.1687						
130	1.6353	0.8328	0.3733	0.1552						
135	1.5744	0.8316	0.3368	0.1412						
140	1.4922	0.8306	0.3001	0.1267						
145	1.3880	0.8296	0.2632	0.1118						
150	1.2610	0.8288	0.2260	0.0965						
155	1.1107	0.8281	0.1886	0.0810						
160	0.9366	0.8276	0.1511	0.0651						
165	0.7386	0.8271	0.1134	0.0490						
170	0.5164	0.8268	0.0757	0.0328						
175	0.2701	0.8266	0.0378	0.0164						
180	0.	0.8266	0.	0.						

GAMMA = 0.6000

ALPHA = 12.000

K = 1.400

DO = 213520	XR = 11.1115	BR = 11.402392	FR = 52.22	CR = 1.4350	QR = 0.9730E 02					
WT	QT	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	110000	019242	111281	012619	019141	111187	012619			
5	110160	019088	110973	012659	019298	111381	012574	211460	212834	11.3111
10	110305	018933	110758	012696	019458	111575	012525	118528	119050	2.8453
15	110428	018882	110535	012727	019521	111762	012474	116901	117725	2.0099
20	110535	018833	110306	012752	019587	111942	012421	115915	116938	1.2553
25	110625	018887	110069	012773	019655	112116	012367	115198	116993	0.6660
30	110707	018842	109826	012784	019528	112284	012313	114838	116992	0.6976
35	110755	018799	019575	012790	019604	112445	012261	114180	116584	0.4921
40	110773	018757	019317	012789	019684	112607	012211	113792	116537	0.3942
45	110828	018718	019052	012781	019770	112731	012163	113454	116233	0.3250
50	110834	018680	018781	012765	019861	112898	012132	113151	116060	0.2776
55	110826	018644	018503	012742	019960	113040	012110	112874	115909	0.2435
60	110803	018609	018216	012711	1.0069	113181	012111	112814	115773	0.2207
65	110785	018573	017927	012672	110191	113321	012150	112362	115647	0.2083
70	110778	018545	017630	012626	110233	113464	012250	112109	115523	0.2084
75	1107325	018515	017327	012570	110508	113619	012588	111837	115391	0.2325
80	1106117	018487	017018	012508	1.0772	113814	014010	111490	115221	0.3696
85	110563	018460	016703	012437						
90	110470	018435	016383	012360						
95	110471	018411	016058	012274						
100	110454	018389	015728	012182						
105	110405	018368	015393	012082						
110	110358	018348	015054	011976						
115	110349	018330	014711	011864						
120	110315	018314	014364	011745						
125	110294	018298	014013	011621						
130	110272	018284	013659	011491						
135	110239	018271	013302	011358						
140	110188	018260	012942	011217						
145	110140	018250	012579	011074						
150	110086	018242	012215	010928						
155	1101525	018234	011849	010778						
160	010719	018228	011481	010625						
165	010764	018224	011112	010471						
170	010638	018221	010742	010315						
175	010803	018219	010371	010158						
180	01	018218	01	01						

GAMMA = 0.6000

ALPHA = 12.000

K = 1.600

DO = 213926	XR = 111069	BR = 11366628	FR = 70.53	CR = 1.2311	QR = 0.5870E 02					
WT	QT	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	110000	019159	111007	012558	019159	111007	012558			
5	110197	019099	110800	012594	019223	111206	012520	210826	211187	10.5991
10	110398	019041	110587	012626	019289	111399	012479	117893	118496	3.6103
15	110468	018985	110368	012653	019360	111586	012437	116417	117225	1.8936
20	110452	018932	110141	012675	019434	111768	012395	115456	116449	1.1889
25	110366	018882	019907	012692	019512	111941	012355	114754	116915	0.8252
30	110508	018834	019667	012703	019596	112111	012318	114203	116520	0.6142
35	110655	018787	019419	012707	019685	112275	012288	113747	116212	0.4804
40	110844	018743	019165	012705	019781	112436	012268	113356	115961	0.3918
45	110528	018701	018904	012696	019886	112594	012246	113009	115750	0.3322
50	1102947	018661	018637	012680	110003	112751	012294	112690	115564	0.2933
55	1105957	018622	018363	012656	110135	112909	012377	112388	115395	0.2719
60	110186	018585	018082	012625	110293	113075	012578	112086	115231	0.2708
65	1107072	018551	017796	012587	110497	113261	013142	111757	115054	0.3121
70	112216	018517	017503	012541						
75	113263	018486	017205	012487						
80	114254	018456	016901	012427						
85	115171	018428	016591	012358						
90	115999	018401	016276	012283						
95	116722	018376	015956	012200						
100	117323	018352	015632	012110						
105	117787	018330	015303	012014						
110	118098	018310	014969	011911						
115	118243	018291	014631	011802						
120	118207	018273	014290	011687						
125	117976	018257	013945	011563						
130	117539	018243	013597	011441						
135	116884	018229	013246	011311						
140	116002	018217	012892	011177						
145	114883	018207	012536	011038						
150	113520	018198	012178	010896						
155	111908	018190	011817	010752						
160	110041	018184	011456	010604						
165	017918	018179	011093	010455						
170	015836	018176	010729	010304						
175	012896	018174	010365	010152						
180	01	018173	01	01						

GAMMA = 0.6080

ALPHA = 12.000

K = 1.800

DC = 2.4284	NR = 1.1034	BR = 1.337995	TR = 61.88	CR = 2.0800	QR = 0.5253E 02					
INETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0900	0.9175	1.0864	0.2519	0.9175	1.0864	0.2519			
5	1.0236	0.9109	1.0658	0.2548	0.9244	1.1063	0.2488	2.0281	2.0633	10.0108
10	1.0795	0.9046	1.0446	0.2575	0.9317	1.1256	0.2466	1.1763	1.6022	3.4175
15	1.1645	0.8987	1.0228	0.2598	0.9395	1.1444	0.2428	1.5998	1.6785	1.7998
20	1.12758	0.8930	1.0003	0.2616	0.9478	1.1626	0.2398	1.5061	1.6027	1.1358
25	1.14121	0.8876	0.9771	0.2630	0.9567	1.1804	0.2376	1.4369	1.5501	0.7968
30	1.15735	0.8824	0.9533	0.2638	0.9663	1.1978	0.2364	1.3822	1.5108	0.5995
35	1.17629	0.8775	0.9288	0.2641	0.9768	1.2149	0.2369	1.3363	1.4796	0.4768
40	1.19879	0.8728	0.9037	0.2637	0.9883	1.2319	0.2402	1.2963	1.4537	0.3986
45	2.12864	0.8684	0.8779	0.2627	1.0015	1.2490	0.2465	1.2598	1.4312	0.3511
50	2.04643	0.8641	0.8515	0.2610	1.0169	1.2668	0.2673	1.2249	1.4104	0.3307
55	3.12778	0.8600	0.8244	0.2586	1.0365	1.2864	0.3146	1.1890	1.3895	0.3499
60	5.14176	0.8562	0.7967	0.2555	1.0673	1.3124	0.5338	1.1543	1.3634	0.5495
65	1.1685	0.8525	0.7684	0.2517						
70	1.12604	0.8490	0.7396	0.2472						
75	1.13681	0.8457	0.7101	0.2419						
80	1.14699	0.8426	0.6801	0.2359						
85	1.15642	0.8396	0.6496	0.2292						
90	1.16493	0.8366	0.6185	0.2218						
95	1.17235	0.8342	0.5870	0.2138						
100	1.17852	0.8318	0.5550	0.2050						
105	1.18328	0.8296	0.5225	0.1958						
110	1.18647	0.8273	0.4896	0.1858						
115	1.18794	0.8254	0.4564	0.1750						
120	1.18755	0.8235	0.4227	0.1639						
125	1.18515	0.8218	0.3887	0.1522						
130	1.18065	0.8203	0.3544	0.1400						
135	1.17388	0.8189	0.3198	0.1279						
140	1.16478	0.8177	0.2849	0.1142						
145	1.15325	0.8166	0.2498	0.1008						
150	1.13922	0.8157	0.2145	0.0870						
155	1.12261	0.8149	0.1791	0.0730						
160	1.10339	0.8143	0.1434	0.0583						
165	0.81252	0.8138	0.1077	0.0442						
170	0.5699	0.8134	0.0718	0.0295						
175	0.2981	0.8132	0.0359	0.0148						
180	0.	0.8131	0.	0.						

GAMMA = 0.6080

ALPHA = 12.000

K = 2.000

DC = 2.4407	NR = 1.1007	BR = 1.314544	TR = 95.18	CR = 0.9630	QR = 0.4229E 02					
INETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9188	1.0744	0.2495	0.9188	1.0744	0.2495			
5	1.0275	0.9117	1.0538	0.2317	0.9263	1.0944	0.2472	1.9811	2.0153	9.5137
10	1.0899	0.9058	1.0327	0.2338	0.9343	1.1138	0.2452	1.7040	1.7612	3.2562
15	1.1848	0.8986	1.0109	0.2356	0.9429	1.1328	0.2435	1.5632	1.6400	1.7229
20	1.3096	0.8926	0.9886	0.2371	0.9521	1.1514	0.2425	1.4712	1.5657	1.0957
25	1.4447	0.8869	0.9655	0.2381	0.9621	1.1696	0.2429	1.4028	1.5135	0.7757
30	1.6532	0.8814	0.9419	0.2387	0.9731	1.1877	0.2453	1.3480	1.4740	0.5922
35	1.8846	0.8762	0.9176	0.2387	0.9854	1.2057	0.2514	1.3014	1.4422	0.4816
40	2.1821	0.8713	0.8927	0.2381	0.9996	1.2242	0.2643	1.2597	1.4149	0.4173
45	2.6105	0.8666	0.8672	0.2370	1.0166	1.2438	0.2926	1.2200	1.3899	0.3926
50	3.4317	0.8621	0.8410	0.2352	1.0393	1.2643	0.3697	1.1785	1.3643	0.4326
55	0.9462	0.8579	0.8142	0.2327						
60	1.0648	0.8538	0.7868	0.2496						
65	1.1823	0.8500	0.7588	0.2458						
70	1.2971	0.8464	0.7303	0.2413						
75	1.4076	0.8429	0.7012	0.2361						
80	1.5119	0.8397	0.6715	0.2302						
85	1.6086	0.8366	0.6413	0.2236						
90	1.6957	0.8337	0.6106	0.2164						
95	1.7717	0.8310	0.5795	0.2085						
100	1.8349	0.8285	0.5479	0.1999						
105	1.8835	0.8261	0.5158	0.1907						
110	1.9160	0.8239	0.4833	0.1809						
115	1.9309	0.8218	0.4505	0.1706						
120	1.9266	0.8199	0.4172	0.1597						
125	1.9018	0.8182	0.3837	0.1483						
130	1.8553	0.8166	0.3498	0.1364						
135	1.7858	0.8152	0.3157	0.1240						
140	1.6922	0.8139	0.2812	0.1113						
145	1.5737	0.8128	0.2466	0.0982						
150	1.4295	0.8118	0.2117	0.0848						
155	1.2589	0.8110	0.1767	0.0711						
160	1.0615	0.8104	0.1415	0.0571						
165	0.8370	0.8098	0.1063	0.0430						
170	0.5851	0.8095	0.0709	0.0288						
175	0.3061	0.8092	0.0355	0.0144						
180	0.	0.8092	0.	0.						

GAMMA=0.6000 ALPHA=12.000 K= 2.200

DC= 2.4899 XR= 1.09850 BR= 1.29499
TR=49.8225 CR= 0.86957 QR=35.29922

THETA	ST	X1	B1	S1
0	1.0000	0.9199	1.0642	0.2483
5	1.0315	0.9124	1.0436	0.2497
10	1.1009	0.9052	1.0224	0.2511
15	1.2064	0.8985	1.0007	0.2524
20	1.3469	0.8921	0.9784	0.2535
25	1.5246	0.8861	0.9555	0.2542
30	1.7488	0.8803	0.9320	0.2544
35	2.0432	0.8749	0.9078	0.2542
40	2.4759	0.8697	0.8831	0.2535
45	3.3354	0.8648	0.8577	0.2522
50	0.8518	0.8602	0.8318	0.2503
55	0.9728	0.8558	0.8052	0.2478
60	1.0943	0.8516	0.7781	0.2446
65	1.2146	0.8476	0.7504	0.2408
70	1.3321	0.8438	0.7221	0.2363
75	1.4451	0.8402	0.6933	0.2311
80	1.5518	0.8369	0.6639	0.2253
85	1.6506	0.8337	0.6340	0.2188
90	1.7397	0.8307	0.6037	0.2117
95	1.8173	0.8279	0.5729	0.2039
100	1.8817	0.8253	0.5416	0.1955
105	1.9312	0.8228	0.5099	0.1865
110	1.9643	0.8205	0.4778	0.1769
115	1.9793	0.8184	0.4453	0.1667
120	1.9747	0.8165	0.4124	0.1561
125	1.9491	0.8147	0.3792	0.1449
130	1.9012	0.8131	0.3457	0.1332
135	1.8298	0.8116	0.3120	0.1212
140	1.7938	0.8103	0.2779	0.1087
145	1.6123	0.8092	0.2437	0.0959
150	1.4645	0.8082	0.2093	0.0828
155	1.2897	0.8073	0.1746	0.0694
160	1.0874	0.8067	0.1399	0.0558
165	0.8573	0.8061	0.1050	0.0420
170	0.5994	0.8057	0.0701	0.0281
175	0.3135	0.8055	0.0350	0.0141
180	0.	0.8054	0.	0.

GAMMA=0.6000 ALPHA=12.000 K= 2.600

DC= 2.5415 XR= 1.09914 BR= 1.26420
TR=41.7770 CR= 0.72915 QR=26.42977

THETA	ST	X1	B1	S1
0	1.0000	0.9219	1.0478	0.2483
5	1.0399	0.9133	1.0269	0.2480
10	1.1249	0.9053	1.0056	0.2481
15	1.2550	0.8979	0.9839	0.2482
20	1.4335	0.8909	0.9616	0.2484
25	1.6737	0.8843	0.9388	0.2483
30	2.0161	0.8780	0.9154	0.2480
35	2.6034	0.8722	0.8915	0.2473
40	4.6259	0.8666	0.8670	0.2462
45	0.7725	0.8613	0.8420	0.2445
50	0.8969	0.8563	0.8163	0.2424
55	1.0231	0.8516	0.7901	0.2397
60	1.1498	0.8471	0.7634	0.2364
65	1.2751	0.8429	0.7361	0.2325
70	1.3975	0.8389	0.7082	0.2280
75	1.5150	0.8351	0.6799	0.2229
80	1.6260	0.8316	0.6510	0.2172
85	1.7286	0.8282	0.6217	0.2108
90	1.8211	0.8251	0.5919	0.2038
95	1.9015	0.8221	0.5616	0.1962
100	1.9682	0.8193	0.5309	0.1881
105	2.0194	0.8167	0.4998	0.1793
110	2.0533	0.8143	0.4683	0.1701
115	2.0684	0.8121	0.4364	0.1603
120	2.0631	0.8101	0.4042	0.1500
125	2.0359	0.8082	0.3716	0.1392
130	1.9855	0.8065	0.3388	0.1280
135	1.9106	0.8050	0.3057	0.1164
140	1.8101	0.8036	0.2723	0.1044
145	1.6830	0.8024	0.2388	0.0921
150	1.5285	0.8014	0.2050	0.0795
155	1.3459	0.8005	0.1711	0.0666
160	1.1347	0.7998	0.1370	0.0536
165	0.8946	0.7992	0.1029	0.0403
170	0.6254	0.7988	0.0686	0.0270
175	0.3271	0.7986	0.0343	0.0135
180	0.	0.7985	0.	0.

GAMMA=0.6000 ALPHA=12.000 K= 3.000

DC= 2.5862 XR= 1.09270 BR= 1.24106
TR=36.0027 CR= 0.62836 QR=21.07972

THETA	ST	X1	B1	S1
0	1.0000	0.9234	1.0352	0.2508
5	1.0488	0.9139	1.0139	0.2484
10	1.1513	0.9051	0.9924	0.2470
15	1.3113	0.8970	0.9705	0.2459
20	1.5408	0.8894	0.9481	0.2451
25	1.8837	0.8823	0.9253	0.2443
30	2.15105	0.8757	0.9020	0.2434
35	2.5439	0.8694	0.8782	0.2422
40	0.6843	0.8635	0.8539	0.2406
45	0.8099	0.8579	0.8291	0.2387
50	0.9391	0.8526	0.8037	0.2363
55	1.0701	0.8476	0.7777	0.2334
60	1.2014	0.8429	0.7513	0.2300
65	1.3312	0.8385	0.7243	0.2260
70	1.4578	0.8343	0.6968	0.2214
75	1.5794	0.8303	0.6689	0.2163
80	1.6941	0.8266	0.6404	0.2106
85	1.8001	0.8231	0.6115	0.2043
90	1.8955	0.8198	0.5821	0.1975
95	1.9784	0.8167	0.5523	0.1901
100	2.0469	0.8138	0.5220	0.1821
105	2.0994	0.8111	0.4914	0.1736
110	2.1340	0.8086	0.4604	0.1646
115	2.1491	0.8063	0.4290	0.1550
120	2.1431	0.8042	0.3973	0.1450
125	2.1143	0.8023	0.3653	0.1346
130	2.0616	0.8005	0.3330	0.1237
135	1.9834	0.7989	0.3005	0.1125
140	1.8788	0.7975	0.2677	0.1009
145	1.7467	0.7963	0.2347	0.0890
150	1.5861	0.7952	0.2015	0.0768
155	1.3965	0.7943	0.1682	0.0644
160	1.1773	0.7935	0.1347	0.0517
165	0.9281	0.7930	0.1011	0.0390
170	0.6488	0.7926	0.0675	0.0260
175	0.3394	0.7923	0.0337	0.0130
180	0.	0.7922	0.	0.

GAMMA=0.6000 ALPHA=12.000 K= 4.000

DC= 2.6776 XR= 1.08876 BR= 1.20237
TR=26.8018 CR= 0.46778 QR=13.96817

THETA	ST	X1	B1	S1
0	1.0000	0.9261	1.0134	0.2529
5	1.0733	0.9144	0.9909	0.2546
10	1.2305	0.9039	0.9685	0.2488
15	1.4965	0.8943	0.9460	0.2446
20	1.9835	0.8855	0.9233	0.2414
25	3.6645	0.8773	0.9003	0.2387
30	0.9038	0.8697	0.8770	0.2362
35	0.6283	0.8626	0.8533	0.2338
40	0.7593	0.8560	0.8292	0.2312
45	0.8953	0.8498	0.8046	0.2285
50	1.0347	0.8439	0.7796	0.2255
55	1.1759	0.8384	0.7542	0.2221
60	1.3170	0.8332	0.7282	0.2183
65	1.4562	0.8284	0.7018	0.2141
70	1.5918	0.8238	0.6750	0.2094
75	1.7218	0.8195	0.6477	0.2042
80	1.8441	0.8154	0.6200	0.1986
85	1.9570	0.8116	0.5918	0.1924
90	2.0583	0.8081	0.5632	0.1857
95	2.1461	0.8048	0.5343	0.1786
100	2.2184	0.8017	0.5049	0.1709
105	2.2734	0.7988	0.4752	0.1628
110	2.3091	0.7961	0.4451	0.1542
115	2.3239	0.7936	0.4147	0.1452
120	2.3159	0.7914	0.3840	0.1357
125	2.2836	0.7893	0.3531	0.1259
130	2.2256	0.7874	0.3218	0.1157
135	2.1403	0.7857	0.2903	0.1051
140	2.0266	0.7842	0.2586	0.0943
145	1.8835	0.7829	0.2267	0.0831
150	1.7099	0.7817	0.1947	0.0717
155	1.5051	0.7808	0.1624	0.0601
160	1.2686	0.7800	0.1301	0.0483
165	1.0000	0.7794	0.0977	0.0363
170	0.6990	0.7789	0.0651	0.0243
175	0.3656	0.7787	0.0326	0.0122
180	0.	0.7786	0.	0.

GAMMA=0.6000 ALPHA=12.000 K= 6.000

DC= 2.28116 XR= 1.08485 BR= 1.16224
TR=17.7729 CR= 0.31020 QR= 8.33507

THETA	ST	X1	B1	S1
0	1.0000	0.9291	0.9898	0.2994
5	1.1334	0.9133	0.9643	0.2753
10	1.14619	0.8998	0.9398	0.2598
15	2.14190	0.8878	0.9159	0.2490
20	0.3428	0.8771	0.8922	0.2411
25	0.4666	0.8673	0.8687	0.2348
30	0.5998	0.8584	0.8460	0.2296
35	0.7409	0.8502	0.8212	0.2251
40	0.8883	0.8425	0.7972	0.2209
45	1.0405	0.8354	0.7728	0.2168
50	1.1957	0.8288	0.7482	0.2127
55	1.3522	0.8227	0.7232	0.2085
60	1.5081	0.8169	0.6979	0.2041
65	1.6615	0.8115	0.6722	0.1994
70	1.8104	0.8064	0.6461	0.1944
75	1.9527	0.8016	0.6196	0.1891
80	2.0862	0.7972	0.5928	0.1834
85	2.2089	0.7930	0.5656	0.1773
90	2.3186	0.7891	0.5381	0.1708
95	2.4131	0.7855	0.5102	0.1639
100	2.4904	0.7821	0.4820	0.1567
105	2.5484	0.7790	0.4535	0.1490
110	2.5851	0.7761	0.4247	0.1410
115	2.5986	0.7734	0.3956	0.1325
120	2.5869	0.7710	0.3662	0.1238
125	2.5485	0.7687	0.3366	0.1147
130	2.4816	0.7667	0.3068	0.1053
135	2.3847	0.7649	0.2767	0.0956
140	2.2566	0.7633	0.2464	0.0857
145	2.0960	0.7618	0.2160	0.0755
150	1.9019	0.7606	0.1854	0.0651
155	1.6735	0.7596	0.1547	0.0546
160	1.4101	0.7587	0.1239	0.0438
165	1.1112	0.7581	0.0930	0.0330
170	0.7765	0.7576	0.0620	0.0220
175	0.4061	0.7573	0.0310	0.0110
180	0.	0.7572	0.	0.

GAMMA=0.6000 ALPHA=12.000 K= 8.000

DC= 2.29115 XR= 1.08289 BR= 1.14159
TR=13.3047 CR= 0.23221 QR= 5.94187

THETA	ST	X1	B1	S1
0	1.0000	0.9308	0.9773	0.3424
5	1.2105	0.9112	0.9485	0.2985
10	1.9147	0.8951	0.9219	0.2725
15	0.2723	0.8813	0.8967	0.2554
20	0.3992	0.8691	0.8721	0.2432
25	0.5367	0.8582	0.8479	0.2339
30	0.6833	0.8483	0.8239	0.2265
35	0.8374	0.8393	0.7999	0.2203
40	0.9975	0.8310	0.7758	0.2148
45	1.1621	0.8233	0.7515	0.2097
50	1.3294	0.8162	0.7271	0.2048
55	1.4975	0.8096	0.7024	0.2000
60	1.6646	0.8034	0.6774	0.1951
65	1.8285	0.7977	0.6521	0.1901
70	1.9872	0.7923	0.6265	0.1848
75	2.1385	0.7872	0.6006	0.1794
80	2.2801	0.7825	0.5744	0.1736
85	2.4098	0.7782	0.5478	0.1675
90	2.5253	0.7741	0.5210	0.1611
95	2.6245	0.7703	0.4939	0.1544
100	2.7050	0.7667	0.4664	0.1474
105	2.7647	0.7634	0.4387	0.1400
110	2.8015	0.7604	0.4108	0.1323
115	2.8134	0.7576	0.3825	0.1243
120	2.7984	0.7550	0.3541	0.1160
125	2.7546	0.7527	0.3254	0.1074
130	2.6805	0.7506	0.2965	0.0985
135	2.5743	0.7487	0.2674	0.0894
140	2.4347	0.7470	0.2381	0.0801
145	2.2603	0.7455	0.2087	0.0705
150	2.0502	0.7442	0.1791	0.0608
155	1.8034	0.7432	0.1495	0.0509
160	1.5191	0.7423	0.1197	0.0409
165	1.1968	0.7416	0.0898	0.0308
170	0.8363	0.7411	0.0599	0.0206
175	0.4373	0.7408	0.0300	0.0103
180	0.	0.7407	0.	0.

GAMMA=0.6000 ALPHA=12.000 K=10.000

DC= 2.29925 XR= 1.08172 BR= 1.12900
TR=10.6344 CR= 0.18561 QR= 4.61768

THETA	ST	X1	B1	S1
0	1.0000	0.9318	0.9696	0.3881
5	1.3097	0.9167	0.9375	0.3210
10	0.1846	0.8904	0.9090	0.2844
15	0.3117	0.8750	0.8825	0.2614
20	0.4506	0.8617	0.8571	0.2455
25	0.5996	0.8499	0.8324	0.2337
30	0.7573	0.8394	0.8080	0.2246
35	0.9221	0.8297	0.7839	0.2170
40	1.0927	0.8209	0.7597	0.2105
45	1.2675	0.8129	0.7355	0.2046
50	1.4446	0.8054	0.7111	0.1991
55	1.6221	0.7984	0.6866	0.1938
60	1.7981	0.7920	0.6619	0.1885
65	1.9705	0.7860	0.6369	0.1832
70	2.1369	0.7804	0.6116	0.1778
75	2.2953	0.7752	0.5861	0.1722
80	2.4432	0.7703	0.5604	0.1664
85	2.5783	0.7658	0.5343	0.1603
90	2.6983	0.7615	0.5080	0.1540
95	2.8008	0.7576	0.4814	0.1474
100	2.8836	0.7539	0.4546	0.1405
105	2.9443	0.7506	0.4275	0.1333
110	2.9809	0.7474	0.4001	0.1259
115	2.9911	0.7445	0.3726	0.1182
120	2.9730	0.7419	0.3448	0.1102
125	2.9246	0.7395	0.3168	0.1020
130	2.8442	0.7373	0.2886	0.0935
135	2.7301	0.7354	0.2603	0.0848
140	2.5809	0.7336	0.2318	0.0759
145	2.3952	0.7321	0.2031	0.0668
150	2.1718	0.7308	0.1743	0.0576
155	1.9098	0.7297	0.1454	0.0482
160	1.6083	0.7288	0.1165	0.0387
165	1.2669	0.7281	0.0874	0.0291
170	0.8851	0.7276	0.0583	0.0195
175	0.4628	0.7273	0.0292	0.0097
180	0.	0.7272	0.	0.

GAMMA=0.6000 ALPHA=12.000 K=20.000

DC= 3.22693 XR= 1.07938 BR= 1.10334
TR= 4.2109 CR= 0.07524 QR= 2.18570

THETA	ST	X1	B1	S1
0	1.0000	0.9339	0.9533	0.6254
5	0.1336	0.8957	0.9066	0.4117
10	0.3001	0.8695	0.8709	0.3270
15	0.4745	0.8492	0.8400	0.2814
20	0.6563	0.8324	0.8119	0.2528
25	0.8454	0.8181	0.7854	0.2330
30	1.0412	0.8059	0.7600	0.2183
35	1.2425	0.7943	0.7352	0.2068
40	1.4489	0.7842	0.7108	0.1973
45	1.6578	0.7750	0.6867	0.1892
50	1.8675	0.7666	0.6627	0.1820
55	2.0761	0.7588	0.6388	0.1754
60	2.2813	0.7517	0.6148	0.1691
65	2.4807	0.7451	0.5907	0.1631
70	2.6718	0.7389	0.5666	0.1572
75	2.8523	0.7333	0.5423	0.1513
80	3.0194	0.7286	0.5179	0.1454
85	3.1707	0.7230	0.4933	0.1394
90	3.3034	0.7185	0.4686	0.1333
95	3.4156	0.7142	0.4436	0.1271
100	3.5030	0.7103	0.4186	0.1207
105	3.5649	0.7067	0.3933	0.1142
110	3.5982	0.7034	0.3679	0.1075
115	3.6006	0.7003	0.3423	0.1006
120	3.5699	0.6975	0.3166	0.0936
125	3.5042	0.6949	0.2908	0.0864
130	3.4009	0.6926	0.2648	0.0791
135	3.2586	0.6905	0.2387	0.0716
140	3.0757	0.6887	0.2124	0.0640
145	2.8504	0.6871	0.1861	0.0562
150	2.5815	0.6857	0.1597	0.0484
155	2.2679	0.6845	0.1332	0.0405
160	1.9084	0.6836	0.1066	0.0325
165	1.5023	0.6828	0.0800	0.0244
170	1.0492	0.6823	0.0534	0.0163
175	0.5484	0.6820	0.0267	0.0082
180	0.	0.6819	0.	0.

GAMMA = 0.6000

ALPHA = 13.000

K = 0.200

DC = 1.7605

KD = 1.6301

BQ = 2.181543

M2 = -0.3562E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8935	1.5169	0.5076	0.8935	1.5169	0.5383			
5	0.9950	0.8922	1.4873	0.5126	0.8948	1.5457	0.5324	3.3306	3.3900	28.8075
10	1.0157	0.8910	1.4568	0.5168	0.8961	1.5735	0.5259	2.8341	2.9328	9.7321
15	1.0535	0.8897	1.4254	0.5199	0.8974	1.6006	0.5187	2.5849	2.7167	5.0446
20	1.1049	0.8885	1.3931	0.5221	0.8987	1.6267	0.5110	2.4252	2.5884	3.1109
25	1.1677	0.8873	1.3600	0.5231	0.9000	1.6520	0.5029	2.3107	2.4986	2.1078
30	1.2402	0.8860	1.3260	0.5231	0.9013	1.6764	0.4942	2.2232	2.4353	1.5144
35	1.3207	0.8849	1.2911	0.5219	0.9026	1.7000	0.4853	2.1534	2.3879	1.1324
40	1.4079	0.8837	1.2554	0.5195	0.9039	1.7228	0.4760	2.0961	2.3513	0.8713
45	1.5004	0.8826	1.2189	0.5159	0.9052	1.7447	0.4664	2.0480	2.3225	0.6850
50	1.5971	0.8814	1.1816	0.5111	0.9064	1.7658	0.4566	2.0069	2.2993	0.5475
55	1.6966	0.8804	1.1434	0.5051	0.9077	1.7861	0.4468	1.9715	2.2805	0.4434
60	1.7976	0.8793	1.1045	0.4977	0.9089	1.8056	0.4368	1.9405	2.2651	0.3629
65	1.8990	0.8783	1.0648	0.4891	0.9102	1.8244	0.4268	1.9131	2.2524	0.2996
70	1.9995	0.8773	1.0243	0.4792	0.9114	1.8424	0.4169	1.8889	2.2418	0.2491
75	2.0980	0.8763	0.9831	0.4681	0.9126	1.8597	0.4071	1.8672	2.2329	0.2084
80	2.1933	0.8754	0.9412	0.4556	0.9137	1.8762	0.3973	1.8478	2.2254	0.1753
85	2.2842	0.8745	0.8986	0.4419	0.9149	1.8921	0.3878	1.8303	2.2191	0.1480
90	2.3698	0.8737	0.8554	0.4270	0.9160	1.9072	0.3785	1.8144	2.2138	0.1255
95	2.4488	0.8728	0.8115	0.4108	0.9171	1.9217	0.3695	1.8001	2.2092	0.1068
100	2.5205	0.8721	0.7671	0.3935	0.9182	1.9358	0.3608	1.7870	2.2053	0.0912
105	2.5838	0.8713	0.7220	0.3750	0.9193	1.9488	0.3524	1.7750	2.2020	0.0781
110	2.6380	0.8707	0.6764	0.3554	0.9203	1.9614	0.3445	1.7641	2.1992	0.0671
115	2.6821	0.8700	0.6303	0.3348	0.9213	1.9735	0.3369	1.7541	2.1968	0.0579
120	2.7166	0.8694	0.5837	0.3132	0.9223	1.9849	0.3298	1.7449	2.1947	0.0500
125	2.7397	0.8689	0.5367	0.2906	0.9232	1.9959	0.3232	1.7365	2.1929	0.0434
130	2.7484	0.8683	0.4892	0.2671	0.9241	2.0063	0.3170	1.7287	2.1913	0.0379
135	2.7468	0.8679	0.4414	0.2428	0.9250	2.0161	0.3114	1.7215	2.1900	0.0332
140	2.7327	0.8675	0.3932	0.2178	0.9259	2.0256	0.3063	1.7149	2.1889	0.0293
145	2.7062	0.8671	0.3448	0.1921	0.9267	2.0344	0.3018	1.7088	2.1879	0.0260
150	2.6670	0.8668	0.2960	0.1658	0.9275	2.0429	0.2979	1.7032	2.1870	0.0234
155	2.6154	0.8665	0.2470	0.1389	0.9283	2.0509	0.2945	1.6980	2.1863	0.0212
160	2.5515	0.8663	0.1979	0.1117	0.9290	2.0586	0.2917	1.6932	2.1857	0.0195
165	2.4759	0.8661	0.1485	0.0841	0.9297	2.0658	0.2896	1.6887	2.1851	0.0182
170	2.3889	0.8660	0.0991	0.0562	0.9304	2.0726	0.2880	1.6846	2.1846	0.0173
175	2.2914	0.8659	0.0496	0.0281	0.9311	2.0791	0.2871	1.6807	2.1842	0.0168
180	2.1842	0.8659	0.	0.	0.9317	2.0852	0.2868	1.6772	2.1839	0.0166

GAMMA = 0.6000

ALPHA = 13.000

K = 0.400

DC = 1.9597

KD = 1.3995

BQ = 1.873021

M2 = -0.4251E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9012	1.3453	0.3843	0.9012	1.3453	0.4051			
5	0.9994	0.8992	1.3199	0.3897	0.9034	1.3698	0.3990	2.8280	2.8781	20.4139
10	1.0249	0.8971	1.2938	0.3944	0.9055	1.3935	0.3924	2.4135	2.4967	6.9006
15	1.0679	0.8951	1.2667	0.3984	0.9076	1.4163	0.3853	2.2056	2.3169	3.5766
20	1.1252	0.8931	1.2389	0.4015	0.9098	1.4384	0.3778	2.0727	2.2088	2.2048
25	1.1944	0.8912	1.2102	0.4037	0.9120	1.4596	0.3698	1.9773	2.1359	1.4929
30	1.2736	0.8892	1.1806	0.4050	0.9142	1.4800	0.3616	1.9044	2.0836	1.0720
35	1.3614	0.8874	1.1503	0.4053	0.9164	1.4996	0.3531	1.8463	2.0444	0.8011
40	1.4560	0.8856	1.1192	0.4047	0.9186	1.5184	0.3444	1.7986	2.0141	0.6161
45	1.5562	0.8838	1.0872	0.4031	0.9208	1.5365	0.3355	1.7585	1.9903	0.4842
50	1.6604	0.8821	1.0544	0.4004	0.9231	1.5538	0.3265	1.7243	1.9713	0.3870
55	1.7669	0.8804	1.0209	0.3966	0.9253	1.5704	0.3174	1.6947	1.9558	0.3135
60	1.8748	0.8788	0.9866	0.3918	0.9275	1.5862	0.3083	1.6688	1.9431	0.2567
65	1.9826	0.8772	0.9516	0.3859	0.9297	1.6014	0.2994	1.6460	1.9326	0.2121
70	2.0889	0.8757	0.9159	0.3789	0.9319	1.6158	0.2906	1.6257	1.9238	0.1765
75	2.1923	0.8742	0.8794	0.3708	0.9340	1.6296	0.2818	1.6076	1.9165	0.1479
80	2.2914	0.8728	0.8423	0.3616	0.9362	1.6428	0.2733	1.5912	1.9103	0.1246
85	2.3851	0.8715	0.8045	0.3514	0.9383	1.6553	0.2650	1.5766	1.9051	0.1055
90	2.4720	0.8702	0.7661	0.3401	0.9404	1.6673	0.2570	1.5631	1.9006	0.0897
95	2.5510	0.8690	0.7270	0.3277	0.9425	1.6786	0.2492	1.5510	1.8969	0.0766
100	2.6210	0.8679	0.6874	0.3143	0.9445	1.6894	0.2417	1.5399	1.8936	0.0656
105	2.6808	0.8668	0.6472	0.3000	0.9465	1.6997	0.2346	1.5297	1.8908	0.0564
110	2.7297	0.8658	0.6065	0.2846	0.9485	1.7094	0.2279	1.5204	1.8885	0.0487
115	2.7665	0.8648	0.5653	0.2684	0.9505	1.7186	0.2215	1.5118	1.8864	0.0422
120	2.7907	0.8639	0.5237	0.2513	0.9524	1.7273	0.2156	1.5040	1.8847	0.0367
125	2.8014	0.8631	0.4816	0.2334	0.9543	1.7356	0.2101	1.4967	1.8831	0.0320
130	2.7982	0.8624	0.4391	0.2147	0.9561	1.7435	0.2050	1.4900	1.8818	0.0281
135	2.7805	0.8617	0.3962	0.1954	0.9579	1.7509	0.2003	1.4838	1.8807	0.0248
140	2.7480	0.8611	0.3530	0.1753	0.9597	1.7579	0.1962	1.4780	1.8797	0.0220
145	2.7006	0.8605	0.3096	0.1547	0.9614	1.7645	0.1925	1.4727	1.8788	0.0197
150	2.6382	0.8601	0.2658	0.1336	0.9630	1.7708	0.1892	1.4678	1.8781	0.0178
155	2.5609	0.8597	0.2219	0.1120	0.9646	1.7768	0.1865	1.4632	1.8774	0.0163
160	2.4689	0.8593	0.1777	0.0901	0.9662	1.7824	0.1842	1.4589	1.8769	0.0150
165	2.3629	0.8591	0.1334	0.0678	0.9677	1.7876	0.1825	1.4550	1.8764	0.0141
170	2.2434	0.8589	0.0890	0.0453	0.9692	1.7926	0.1812	1.4513	1.8760	0.0135
175	2.1111	0.8588	0.0445	0.0227	0.9707	1.7973	0.1805	1.4479	1.8756	0.0131
180	1.9672	0.8588	0.	0.	0.9720	1.8018	0.1802	1.4447	1.8753	0.0130

GAMMA = 0.6000

ALPHA = 13.000

K = 0.600

DC = 2.0768

X0 = 1.2353

B0 = 1.708892

Y2 = -0.2324E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9065	1.2607	0.3297	0.9065	1.2607	0.3433			
5	1.0031	0.9037	1.2375	0.3353	0.9094	1.2831	0.3371	2.5733	2.6186	16.7035
10	1.0322	0.9010	1.2134	0.3403	0.9123	1.3047	0.3305	2.1204	2.2758	5.6508
15	1.0793	0.8983	1.1885	0.3445	0.9152	1.3265	0.3233	2.0136	2.1144	2.9302
20	1.1411	0.8957	1.1628	0.3480	0.9182	1.3455	0.3158	1.8940	2.0174	1.8070
25	1.2154	0.8932	1.1363	0.3507	0.9212	1.3647	0.3080	1.8082	1.9520	1.2244
30	1.3002	0.8907	1.1090	0.3525	0.9242	1.3831	0.2998	1.7426	1.9050	0.8801
35	1.3936	0.8883	1.0808	0.3535	0.9273	1.4007	0.2914	1.6902	1.8698	0.6588
40	1.4946	0.8859	1.0519	0.3536	0.9305	1.4175	0.2829	1.6471	1.8427	0.5078
45	1.6010	0.8837	1.0222	0.3527	0.9336	1.4336	0.2742	1.6108	1.8212	0.4002
50	1.7112	0.8814	0.9917	0.3509	0.9368	1.4490	0.2654	1.5797	1.8040	0.3210
55	1.8239	0.8793	0.9604	0.3482	0.9400	1.4637	0.2567	1.5528	1.7899	0.2612
60	1.9373	0.8772	0.9284	0.3444	0.9432	1.4776	0.2479	1.5291	1.7784	0.2150
65	2.0499	0.8753	0.8957	0.3396	0.9464	1.4909	0.2392	1.5082	1.7687	0.1787
70	2.1603	0.8734	0.8622	0.3339	0.9496	1.5036	0.2307	1.4895	1.7607	0.1498
75	2.2668	0.8715	0.8281	0.3271	0.9529	1.5156	0.2223	1.4726	1.7539	0.1265
80	2.3681	0.8698	0.7933	0.3193	0.9561	1.5269	0.2141	1.4574	1.7481	0.1076
85	2.4628	0.8681	0.7578	0.3106	0.9594	1.5377	0.2061	1.4436	1.7432	0.0920
90	2.5495	0.8665	0.7218	0.3008	0.9626	1.5479	0.1984	1.4310	1.7390	0.0791
95	2.6268	0.8650	0.6851	0.2901	0.9659	1.5575	0.1909	1.4194	1.7354	0.0684
100	2.6938	0.8636	0.6479	0.2785	0.9691	1.5666	0.1838	1.4088	1.7322	0.0594
105	2.7490	0.8622	0.6101	0.2659	0.9723	1.5752	0.1771	1.3990	1.7295	0.0515
110	2.7917	0.8610	0.5718	0.2525	0.9755	1.5833	0.1707	1.3899	1.7271	0.0455
115	2.8207	0.8598	0.5330	0.2382	0.9787	1.5910	0.1646	1.3815	1.7251	0.0401
120	2.8352	0.8587	0.4938	0.2232	0.9818	1.5982	0.1590	1.3737	1.7233	0.0355
125	2.8346	0.8577	0.4542	0.2074	0.9849	1.6049	0.1538	1.3664	1.7217	0.0317
130	2.8182	0.8568	0.4141	0.1909	0.9880	1.6113	0.1490	1.3597	1.7203	0.0284
135	2.7856	0.8560	0.3738	0.1737	0.9911	1.6173	0.1446	1.3533	1.7191	0.0256
140	2.7365	0.8552	0.3331	0.1559	0.9941	1.6229	0.1407	1.3474	1.7180	0.0233
145	2.6707	0.8546	0.2921	0.1376	0.9971	1.6282	0.1372	1.3418	1.7171	0.0214
150	2.5881	0.8540	0.2508	0.1189	1.0001	1.6332	0.1342	1.3366	1.7162	0.0197
155	2.4890	0.8535	0.2093	0.0997	1.0030	1.6376	0.1317	1.3317	1.7155	0.0184
160	2.3737	0.8531	0.1677	0.0802	1.0059	1.6422	0.1296	1.3270	1.7148	0.0174
165	2.2426	0.8528	0.1259	0.0604	1.0088	1.6463	0.1279	1.3227	1.7142	0.0166
170	2.0967	0.8526	0.0840	0.0404	1.0116	1.6501	0.1268	1.3186	1.7137	0.0161
175	1.9367	0.8525	0.0420	0.0202	1.0143	1.6537	0.1261	1.3147	1.7132	0.0157
180	1.7640	0.8524	0.	0.	1.0171	1.6571	0.1258	1.3110	1.7128	0.0156

GAMMA = 0.6000

ALPHA = 13.000

K = 0.800

DC = 2.1595 XR = 1.1373 BR = 1.586241 YR = 169.76 CR = 5.4250 QR = 0.2849E 04

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9105	1.2077	0.12984	0.9105	1.2077	0.12984			
5	1.0059	0.9071	1.1858	0.13040	0.9140	1.2289	0.12923	2.14082	2.4505	14.4946
10	1.0373	0.9037	1.1630	0.13090	0.9176	1.2492	0.12856	2.0629	2.1326	4.9073
15	1.0865	0.9005	1.1394	0.13133	0.9213	1.2688	0.12785	1.9888	1.9830	2.5463
20	1.1517	0.8973	1.1150	0.13169	0.9250	1.2875	0.12710	1.7780	1.8932	1.5719
25	1.2294	0.8943	1.0898	0.13198	0.9288	1.3055	0.12631	1.6983	1.8325	1.0667
30	1.3180	0.8913	1.0638	0.13218	0.9327	1.3227	0.12549	1.6371	1.7888	0.7685
35	1.4155	0.8884	1.0370	0.13231	0.9367	1.3392	0.12465	1.5882	1.7560	0.5770
40	1.5203	0.8856	1.0094	0.13235	0.9408	1.3549	0.12379	1.5478	1.7306	0.4466
45	1.6304	0.8829	0.9810	0.13231	0.9449	1.3698	0.12292	1.5137	1.7105	0.3536
50	1.7440	0.8803	0.9519	0.13217	0.9491	1.3841	0.12203	1.4843	1.6942	0.2869
55	1.8594	0.8777	0.9221	0.13195	0.9533	1.3976	0.12114	1.4587	1.6808	0.2337
60	1.9747	0.8753	0.8915	0.13162	0.9576	1.4105	0.12025	1.4360	1.6697	0.1939
65	2.0883	0.8730	0.8602	0.13121	0.9620	1.4227	0.11936	1.4158	1.6604	0.1627
70	2.1984	0.8708	0.8281	0.13070	0.9665	1.4342	0.11848	1.3976	1.6526	0.1378
75	2.3033	0.8688	0.7955	0.13010	0.9710	1.4452	0.11761	1.3811	1.6458	0.1177
80	2.4013	0.8666	0.7621	0.12940	0.9755	1.4555	0.11676	1.3660	1.6400	0.1013
85	2.4910	0.8647	0.7281	0.12861	0.9802	1.4653	0.11592	1.3522	1.6349	0.0879
90	2.5708	0.8628	0.6936	0.12772	0.9849	1.4745	0.11510	1.3394	1.6305	0.0767
95	2.6388	0.8611	0.6584	0.12675	0.9896	1.4831	0.11431	1.3275	1.6267	0.0674
100	2.6941	0.8594	0.6227	0.12568	0.9945	1.4913	0.11354	1.3164	1.6233	0.0596
105	2.7351	0.8579	0.5864	0.12454	0.9993	1.4990	0.11280	1.3060	1.6203	0.0530
110	2.7607	0.8565	0.5497	0.12330	1.0043	1.5062	0.11208	1.2962	1.6175	0.0475
115	2.7698	0.8551	0.5124	0.12200	1.0093	1.5130	0.11140	1.2869	1.6151	0.0427
120	2.7611	0.8539	0.4747	0.12061	1.0144	1.5194	0.11075	1.2781	1.6129	0.0387
125	2.7340	0.8527	0.4367	0.11916	1.0196	1.5254	0.11012	1.2696	1.6109	0.0353
130	2.6875	0.8517	0.3982	0.11769	1.0248	1.5310	0.10953	1.2615	1.6091	0.0324
135	2.6212	0.8507	0.3594	0.11605	1.0302	1.5362	0.10898	1.2538	1.6074	0.0300
140	2.5346	0.8499	0.3203	0.11441	1.0357	1.5412	0.10845	1.2462	1.6058	0.0279
145	2.4276	0.8491	0.2808	0.11272	1.0413	1.5458	0.10797	1.2388	1.6043	0.0263
150	2.3003	0.8485	0.2412	0.11099	1.0470	1.5502	0.10752	1.2316	1.6030	0.0249
155	2.1534	0.8479	0.2013	0.10922	1.0530	1.5543	0.10710	1.2245	1.6016	0.0239
160	1.9879	0.8473	0.1613	0.10741	1.0591	1.5582	0.10673	1.2173	1.6003	0.0233
165	1.8061	0.8471	0.1211	0.10558	1.0655	1.5618	0.10641	1.2101	1.5991	0.0230
170	3.0157	0.8469	0.0808	0.10373	1.0723	1.5653	0.10608	1.2028	1.5978	0.0621
175	2.6514	0.8467	0.0404	0.10187	1.0795	1.5687	0.10579	1.1952	1.5965	0.0536
180	2.1436	0.8467	0.	0.	1.0874	1.5720	0.10546	1.1871	1.5952	0.0516

GAUSS = 0.6000

ALPHA = 13.000

K = 1.000

DC = 2.2233 XR = 1.1207 BR = 1.501501 YR = 133.12 CR = 2.3234 QR = 0.4993E 03										
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.00000	0.9136	1.1707	0.2784	0.9136	1.1707	0.2784			
5	1.0095	0.9096	1.1495	0.2838	0.9177	1.1910	0.2724	2.1884	2.3284	12.9893
10	1.0448	0.9057	1.1276	0.2887	0.9220	1.2106	0.2660	1.9622	2.0288	4.4018
15	1.0993	0.9019	1.1048	0.2929	0.9264	1.2294	0.2592	1.7984	1.8876	2.2867
20	1.1702	0.8983	1.0813	0.2965	0.9309	1.2474	0.2519	1.6936	1.8028	1.4143
25	1.2562	0.8947	1.0570	0.2994	0.9355	1.2646	0.2444	1.6180	1.7454	0.9625
30	1.3521	0.8913	1.0319	0.3016	0.9403	1.2811	0.2366	1.5600	1.7040	0.6962
35	1.4589	0.8880	1.0060	0.3029	0.9451	1.2969	0.2287	1.5133	1.6727	0.5254
40	1.5738	0.8848	0.9793	0.3035	0.9502	1.3119	0.2205	1.4745	1.6483	0.4092
45	1.6949	0.8817	0.9519	0.3032	0.9553	1.3262	0.2123	1.4416	1.6288	0.3267
50	1.8203	0.8788	0.9237	0.3021	0.9606	1.3399	0.2040	1.4131	1.6130	0.2662
55	1.9482	0.8759	0.8948	0.3001	0.9661	1.3528	0.1958	1.3879	1.5998	0.2206
60	2.0771	0.8732	0.8652	0.2972	0.9717	1.3651	0.1876	1.3655	1.5887	0.1856
65	2.2051	0.8706	0.8349	0.2934	0.9775	1.3768	0.1796	1.3453	1.5793	0.1582
70	2.3310	0.8681	0.8038	0.2888	0.9835	1.3879	0.1717	1.3268	1.5711	0.1366
75	2.4532	0.8657	0.7722	0.2832	0.9896	1.3984	0.1640	1.3098	1.5640	0.1194
80	2.5707	0.8635	0.7399	0.2767	0.9960	1.4084	0.1566	1.2940	1.5577	0.1056
85	2.6825	0.8613	0.7069	0.2693	1.0026	1.4178	0.1496	1.2792	1.5521	0.0946
90	2.7882	0.8592	0.6734	0.2610	1.0095	1.4268	0.1430	1.2651	1.5471	0.0858
95	2.8878	0.8573	0.6393	0.2519	1.0167	1.4353	0.1370	1.2516	1.5424	0.0790
100	2.9824	0.8555	0.6046	0.2420	1.0243	1.4435	0.1316	1.2385	1.5381	0.0738
105	3.0749	0.8538	0.5694	0.2312	1.0324	1.4513	0.1271	1.2257	1.5340	0.0704
110	3.1711	0.8522	0.5337	0.2196	1.0411	1.4588	0.1238	1.2129	1.5301	0.0689
115	3.2642	0.8507	0.4976	0.2073	1.0506	1.4661	0.1225	1.1998	1.5261	0.0697
120	3.3556	0.8493	0.4610	0.1943	1.0614	1.4734	0.1247	1.1860	1.5220	0.0743
125	3.4512	0.8481	0.4241	0.1806	1.0743	1.4810	0.1349	1.1705	1.5174	0.0872
130	3.5469	0.8469	0.3867	0.1663	1.0920	1.4899	0.1479	1.1505	1.5114	0.1345
135	3.6427	0.8459	0.3490	0.1514						
140	3.7385	0.8449	0.3110	0.1359						
145	3.8343	0.8441	0.2728	0.1200						
150	3.9301	0.8434	0.2342	0.1037						
155	4.0259	0.8428	0.1955	0.0870						
160	4.1217	0.8423	0.1566	0.0699						
165	4.2175	0.8419	0.1176	0.0527						
170	4.3133	0.8417	0.0785	0.0352						
175	4.4091	0.8415	0.0392	0.0176						
180	0.	0.8414	0.	0.						

GAUSS = 0.6000

ALPHA = 13.000

K = 1.200

DC = 2.2753 XR = 1.1113 BR = 1.440787 YR = 103.50 CR = 1.8063 QR = 0.2152E 03										
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.00000	0.9161	1.1430	0.2649	0.9161	1.1430	0.2649			
5	1.0131	0.9115	1.1224	0.2701	0.9209	1.1629	0.2595	2.1955	2.2338	11.8797
10	1.0525	0.9071	1.1011	0.2747	0.9258	1.1820	0.2532	1.8844	1.9481	4.0301
15	1.1126	0.9029	1.0789	0.2788	0.9308	1.2003	0.2468	1.7280	1.8135	2.0971
20	1.1905	0.8988	1.0559	0.2823	0.9361	1.2178	0.2400	1.6279	1.7325	1.3005
25	1.2841	0.8948	1.0322	0.2851	0.9415	1.2347	0.2330	1.5554	1.6775	0.8887
30	1.3910	0.8910	1.0077	0.2872	0.9472	1.2508	0.2259	1.4995	1.6376	0.6463
35	1.5095	0.8873	0.9825	0.2885	0.9530	1.2662	0.2186	1.4542	1.6073	0.4912
40	1.6376	0.8838	0.9565	0.2891	0.9591	1.2809	0.2113	1.4165	1.5835	0.3860
45	1.7738	0.8804	0.9297	0.2889	0.9654	1.2950	0.2041	1.3841	1.5642	0.3117
50	1.9166	0.8771	0.9023	0.2879	0.9720	1.3084	0.1969	1.3557	1.5484	0.2575
55	2.0648	0.8740	0.8741	0.2861	0.9789	1.3213	0.1900	1.3304	1.5350	0.2172
60	2.2178	0.8710	0.8451	0.2834	0.9862	1.3336	0.1835	1.3076	1.5235	0.1867
65	2.3753	0.8682	0.8155	0.2798	0.9938	1.3453	0.1774	1.2865	1.5135	0.1635
70	2.5383	0.8654	0.7853	0.2754	1.0019	1.3566	0.1720	1.2668	1.5045	0.1461
75	2.7095	0.8628	0.7544	0.2701	1.0106	1.3675	0.1677	1.2482	1.4964	0.1335
80	2.8947	0.8604	0.7228	0.2639	1.0200	1.3780	0.1649	1.2301	1.4889	0.1252
85	3.0874	0.8580	0.6906	0.2569	1.0304	1.3884	0.1645	1.2122	1.4817	0.1216
90	3.2894	0.8558	0.6579	0.2491	1.0422	1.3988	0.1688	1.1939	1.4744	0.1242
95	3.4969	0.8537	0.6246	0.2404	1.0564	1.4097	0.1839	1.1741	1.4667	0.1387
100	3.7043	0.8517	0.5907	0.2309	1.0759	1.4224	0.2420	1.1497	1.4571	0.1974
105	3.9335	0.8499	0.5563	0.2206						
110	4.1760	0.8482	0.5215	0.2096						
115	4.4320	0.8466	0.4862	0.1979						
120	4.7003	0.8451	0.4505	0.1855						
125	4.9794	0.8437	0.4144	0.1724						
130	5.2681	0.8425	0.3779	0.1587						
135	5.5652	0.8414	0.3410	0.1445						
140	5.8698	0.8404	0.3039	0.1298						
145	6.1809	0.8395	0.2665	0.1146						
150	6.4979	0.8387	0.2289	0.0990						
155	6.8170	0.8381	0.1911	0.0830						
160	7.1370	0.8375	0.1531	0.0668						
165	7.4575	0.8371	0.1149	0.0503						
170	7.7784	0.8368	0.0767	0.0336						
175	8.0994	0.8367	0.0383	0.0168						
180	0.	0.8366	0.	0.						

GAMMA = 0.6000

ALPHA = 13.000

K = 1.400

UC = 213191 XR = 1.1051 BR = 1.395204 IR = 85.43 CR = 1.4910 QR = 0.1289E 03										
YNEGA	SY	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9182	1.1215	0.12556	0.9182	1.1215	0.12556			
5	1.0167	0.9131	1.1013	0.12604	0.9235	1.1141	0.12504	2.11203	2.1572	11.0184
10	1.0606	0.9082	1.0803	0.12648	0.9290	1.11598	0.12448	1.8214	1.8829	3.7426
15	1.1269	0.9033	1.0585	0.12686	0.9348	1.11779	0.12390	1.6710	1.7534	1.9518
20	1.2130	0.8990	1.0360	0.12718	0.9408	1.11952	0.12329	1.5744	1.6753	1.2147
25	1.3166	0.8946	1.0127	0.12745	0.9471	1.12119	0.12267	1.5042	1.6221	0.8342
30	1.4359	0.8895	0.9887	0.12765	0.9537	1.12279	0.12205	1.4498	1.5832	0.6109
35	1.5691	0.8844	0.9639	0.12777	0.9606	1.12433	0.12144	1.4054	1.5535	0.4686
40	1.7150	0.8786	0.9384	0.12783	0.9679	1.12580	0.12085	1.3681	1.5298	0.3727
45	1.8732	0.8729	0.9121	0.12781	0.9756	1.12722	0.12030	1.3356	1.5105	0.3057
50	2.0437	0.8754	0.8852	0.12771	0.9838	1.12859	0.11981	1.3069	1.4942	0.2577
55	2.2284	0.8720	0.8575	0.12753	0.9926	1.12991	0.11941	1.2807	1.4801	0.2232
60	2.4317	0.8688	0.8291	0.12727	1.0021	1.13120	0.11917	1.2565	1.4677	0.1990
65	2.6633	0.8657	0.8001	0.12693	1.0126	1.13247	0.11916	1.2333	1.4563	0.1835
70	2.9462	0.8628	0.7704	0.12650	1.0245	1.13373	0.11958	1.2106	1.4455	0.1770
75	3.2819	0.8590	0.7401	0.12599	1.0385	1.13504	0.12093	1.1873	1.4347	0.1831
80	4.0933	0.8554	0.7091	0.12540	1.0566	1.13630	0.12511	1.1611	1.4226	0.2202
85	1.5284	0.8569	0.6776	0.12473						
90	1.6143	0.8523	0.6458	0.12397						
95	1.6897	0.8503	0.6127	0.12314						
100	1.7529	0.8482	0.5795	0.12222						
105	1.8022	0.8462	0.5458	0.12124						
110	1.8359	0.8444	0.5116	0.12018						
115	1.8527	0.8427	0.4770	0.11905						
120	1.8509	0.8411	0.4420	0.11785						
125	1.8292	0.8397	0.4065	0.11659						
130	1.7862	0.8383	0.3707	0.11528						
135	1.7209	0.8372	0.3346	0.11391						
140	1.6321	0.8361	0.2982	0.11249						
145	1.5189	0.8352	0.2615	0.11103						
150	1.3806	0.8344	0.2248	0.10953						
155	1.2165	0.8337	0.1874	0.10799						
160	1.0262	0.8331	0.1502	0.10643						
165	0.8094	0.8329	0.1127	0.10484						
170	0.5660	0.8324	0.0752	0.10324						
175	0.12961	0.8322	0.0376	0.10162						
180	0.	0.8321	0.	0.						

GAMMA = 0.6000

ALPHA = 13.000

K = 1.600

UC = 213370 XR = 1.1007 BR = 1.359718 IR = 79.03 CR = 1.2746 QR = 0.8722E 02										
YNEGA	SY	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9199	1.1042	0.12492	0.9199	1.1042	0.12492			
5	1.0203	0.9143	1.0842	0.12535	0.9258	1.11236	0.12445	2.0676	2.0934	10.3249
10	1.0690	0.9090	1.0634	0.12575	0.9320	1.11422	0.12396	1.7689	1.8284	3.5123
15	1.1424	0.9038	1.0419	0.12610	0.9384	1.11602	0.12346	1.6233	1.7031	1.8367
20	1.2378	0.8989	1.0197	0.12640	0.9452	1.11775	0.12293	1.5295	1.6274	1.1480
25	1.3534	0.8942	0.9968	0.12664	0.9524	1.11942	0.12243	1.4610	1.5754	0.7934
30	1.4877	0.8897	0.9731	0.12682	0.9600	1.12103	0.12195	1.4075	1.5372	0.5861
35	1.6401	0.8854	0.9486	0.12694	0.9681	1.12259	0.12152	1.3636	1.5076	0.4549
40	1.8111	0.8813	0.9235	0.12698	0.9767	1.12410	0.12116	1.3261	1.4838	0.3676
45	2.0033	0.8774	0.8977	0.12696	0.9861	1.12557	0.12094	1.2931	1.4639	0.3081
50	2.2230	0.8736	0.8711	0.12685	0.9964	1.12701	0.12091	1.2632	1.4467	0.2680
55	2.4845	0.8700	0.8439	0.12668	1.0080	1.12845	0.12125	1.2351	1.4313	0.2431
60	2.8235	0.8666	0.8159	0.12642	1.0213	1.12991	0.12228	1.2078	1.4158	0.2335
65	3.3302	0.8633	0.7873	0.12609	1.0377	1.13148	0.12504	1.1794	1.4021	0.2469
70	4.0990	0.8602	0.7581	0.12567	1.0612	1.13338	0.13541	1.1457	1.3846	0.3408
75	1.3789	0.8573	0.7283	0.12518						
80	1.4843	0.8545	0.6978	0.12460						
85	1.5824	0.8518	0.6667	0.12395						
90	1.6713	0.8493	0.6351	0.12321						
95	1.7493	0.8470	0.6029	0.12241						
100	1.8146	0.8448	0.5702	0.12152						
105	1.8655	0.8427	0.5371	0.12056						
110	1.9004	0.8408	0.5034	0.11954						
115	1.9177	0.8390	0.4694	0.11844						
120	1.9158	0.8373	0.4349	0.11728						
125	1.8933	0.8358	0.4000	0.11607						
130	1.8488	0.8345	0.3648	0.11479						
135	1.7811	0.8332	0.3292	0.11347						
140	1.6892	0.8321	0.2934	0.11209						
145	1.5720	0.8311	0.2573	0.11068						
150	1.4288	0.8303	0.2210	0.10922						
155	1.2590	0.8296	0.1844	0.10774						
160	1.0620	0.8290	0.1477	0.10622						
165	0.8316	0.8285	0.1109	0.10469						
170	0.5857	0.8282	0.0740	0.10313						
175	0.3064	0.8280	0.0370	0.10157						
180	0.	0.8279	0.	0.						

SANNA = 0.6000

ALPHA = 13.000

K = 1.000

DC = 2.3905	XR = 1.0973	BR = 1.331299	YR = 63.91	CR = 1.1184	QR = 0.6552E 02					
WETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9214	1.0900	0.12448	0.9214	1.0900	0.12448			
5	1.0240	0.9153	1.0701	0.12486	0.9278	1.1093	0.2408	2.10041	2.0388	9.7513
10	1.0780	0.9095	1.0495	0.12521	0.9346	1.1279	0.2966	1.7237	1.7816	9.3230
15	1.1591	0.9040	1.0282	0.12553	0.9418	1.1459	0.2325	1.15825	1.0802	1.7332
20	1.2652	0.8987	1.0061	0.12579	0.9494	1.1633	0.2286	1.4908	1.0861	1.0952
25	1.3949	0.8937	0.9834	0.12601	0.9575	1.1802	0.2251	1.14236	1.0351	0.7627
30	1.5480	0.8889	0.9600	0.12617	0.9652	1.1968	0.2223	1.13706	1.4972	0.5694
35	1.7260	0.8843	0.9358	0.12627	0.9756	1.2127	0.2208	1.13267	1.4675	0.4486
40	1.9341	0.8800	0.9110	0.12630	0.9860	1.2285	0.2213	1.12886	1.4431	0.3705
45	2.1841	0.8758	0.8855	0.12627	0.9976	1.2442	0.2254	1.12543	1.4221	0.3210
50	2.5064	0.8718	0.8592	0.12616	1.0110	1.2602	0.2263	1.12220	1.4032	0.2945
55	2.9844	0.8680	0.8323	0.12598	1.0273	1.2778	0.2292	1.11899	1.3850	0.2951
60	4.0397	0.8644	0.8048	0.12573	1.0459	1.2974	0.2307	1.11539	1.3647	0.3639
65	1.1902	0.8610	0.7765	0.12540						
70	1.3088	0.8577	0.7477	0.12499						
75	1.4233	0.8548	0.7182	0.12450						
80	1.5319	0.8517	0.6881	0.12394						
85	1.6330	0.8489	0.6575	0.12330						
90	1.7245	0.8463	0.6263	0.12258						
95	1.8049	0.8438	0.5946	0.12180						
100	1.8721	0.8415	0.5623	0.12093						
105	1.9246	0.8394	0.5296	0.12000						
110	1.9604	0.8374	0.4964	0.11900						
115	1.9781	0.8355	0.4628	0.11794						
120	1.9761	0.8338	0.4288	0.11681						
125	1.9527	0.8322	0.3944	0.11562						
130	1.9068	0.8308	0.3597	0.11438						
135	1.8369	0.8295	0.3246	0.11309						
140	1.7421	0.8283	0.2899	0.11176						
145	1.6212	0.8273	0.2537	0.11038						
150	1.4735	0.8264	0.2179	0.10897						
155	1.2983	0.8257	0.1819	0.10752						
160	1.0952	0.8251	0.1457	0.10605						
165	0.8638	0.8248	0.1094	0.10456						
170	0.6040	0.8243	0.0730	0.10305						
175	0.3160	0.8241	0.0365	0.10153						
180	0.	0.8240	0.	0.						

SANNA = 0.6000

ALPHA = 13.000

K = 2.000

DC = 2.4204	XR = 1.0947	BR = 1.308022	YR = 56.89	CR = 0.9929	QR = 0.5210E 02					
WETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9227	1.0781	0.12419	0.9227	1.0781	0.12419			
5	1.0277	0.9161	1.0582	0.12452	0.9297	1.0974	0.12388	1.9578	1.9914	9.2868
10	1.0874	0.9099	1.0377	0.12482	0.9370	1.1161	0.12364	1.6847	1.7511	9.1641
15	1.1772	0.9040	1.0165	0.12509	0.9449	1.1342	0.12325	1.15469	1.08226	1.0861
20	1.2955	0.8984	0.9946	0.12532	0.9534	1.1519	0.12301	1.45669	1.04999	1.0531
25	1.4420	0.8931	0.9720	0.12551	0.9625	1.1691	0.2287	1.13905	1.4995	0.7399
30	1.6188	0.8880	0.9488	0.12564	0.9725	1.1867	0.2289	1.13377	1.4616	0.5897
35	1.8325	0.8832	0.9249	0.12572	0.9835	1.2029	0.2318	1.12933	1.4315	0.4498
40	2.0995	0.8786	0.9003	0.12574	0.9960	1.2198	0.2296	1.12539	1.4060	0.3833
45	2.4823	0.8732	0.8750	0.12570	1.0108	1.2374	0.2577	1.12172	1.3832	0.3506
50	3.0663	0.8700	0.8490	0.12558	1.0296	1.2567	0.3032	1.11802	1.3609	0.3609
55	5.0888	0.8660	0.8224	0.12540	1.0593	1.2824	0.6156	1.11352	1.3338	0.5486
60	1.1018	0.8622	0.7951	0.12514						
65	1.2258	0.8587	0.7672	0.12481						
70	1.3476	0.8553	0.7387	0.12441						
75	1.4653	0.8520	0.7095	0.12393						
80	1.5769	0.8490	0.6798	0.12338						
85	1.6807	0.8461	0.6495	0.12275						
90	1.7747	0.8434	0.6187	0.12205						
95	1.8571	0.8408	0.5873	0.12128						
100	1.9261	0.8384	0.5555	0.12043						
105	1.9799	0.8362	0.5231	0.11952						
110	2.0167	0.8341	0.4903	0.11854						
115	2.0347	0.8322	0.4571	0.11750						
120	2.0325	0.8304	0.4235	0.11640						
125	2.0083	0.8288	0.3896	0.11524						
130	1.9610	0.8273	0.3552	0.11403						
135	1.8890	0.8260	0.3206	0.11278						
140	1.7914	0.8248	0.2857	0.11147						
145	1.6670	0.8237	0.2506	0.11013						
150	1.5151	0.8228	0.2152	0.10875						
155	1.3350	0.8221	0.1796	0.10734						
160	1.1261	0.8214	0.1439	0.10590						
165	0.8881	0.8210	0.1080	0.10444						
170	0.6210	0.8206	0.0721	0.10297						
175	0.3249	0.8204	0.0360	0.10149						
180	0.	0.8203	0.	0.						

GAMMA=0.6000 ALPHA=13.000 K= 2.20
 DC= 2.4475 XR= 1.09257 BR= 1.28860
 YR=51.3022 CR= 0.89539 QR=43.07453

THETA	ST	X1	B1	S1
0	1.0000	0.9238	1.0680	0.2402
5	1.0315	0.9168	1.0481	0.2428
10	1.0974	0.9102	1.0275	0.2452
15	1.1968	0.9039	1.0064	0.2475
20	1.3289	0.8980	0.9846	0.2495
25	1.4955	0.8924	0.9622	0.2510
30	1.7032	0.8870	0.9391	0.2521
35	1.9692	0.8820	0.9153	0.2527
40	2.3404	0.8771	0.8909	0.2527
45	2.9857	0.8726	0.8658	0.2522
50	5.6557	0.8682	0.8401	0.2509
55	1.0043	0.8641	0.8137	0.2490
60	1.1324	0.8601	0.7866	0.2464
65	1.2598	0.8564	0.7590	0.2431
70	1.3847	0.8529	0.7307	0.2391
75	1.5052	0.8495	0.7019	0.2344
80	1.6196	0.8464	0.6725	0.2289
85	1.7259	0.8434	0.6425	0.2227
90	1.8221	0.8406	0.6120	0.2158
95	1.9065	0.8380	0.5809	0.2083
100	1.9771	0.8355	0.5494	0.2000
105	2.0321	0.8332	0.5174	0.1910
110	2.0696	0.8310	0.4850	0.1814
115	2.0880	0.8291	0.4521	0.1712
120	2.0855	0.8272	0.4189	0.1605
125	2.0606	0.8255	0.3853	0.1491
130	2.0119	0.8240	0.3513	0.1379
135	1.9380	0.8226	0.3171	0.1260
140	1.8377	0.8214	0.2826	0.1122
145	1.7101	0.8203	0.2478	0.1091
150	1.5592	0.8194	0.2128	0.0956
155	1.3693	0.8186	0.1776	0.0718
160	1.1350	0.8180	0.1423	0.0577
165	0.9110	0.8175	0.1068	0.0435
170	0.6370	0.8171	0.0713	0.0291
175	0.3332	0.8169	0.0356	0.0146
180	0.	0.8168	0.	0.

GAMMA=0.6000 ALPHA=13.000 K= 3.00
 DC= 2.45363 XR= 1.008700 BR= 1.29505
 YR=36.19659 CR= 0.644500 QR=25.16244

THETA	ST	X1	B1	S1
0	1.0000	0.9272	1.0390	0.2410
5	1.0476	0.9184	1.0186	0.2402
10	1.1428	0.9103	0.9978	0.2400
15	1.2909	0.9027	0.9766	0.2402
20	1.5025	0.8957	0.9549	0.2405
25	1.8118	0.8890	0.9326	0.2408
30	2.3417	0.8828	0.9098	0.2408
35	4.0618	0.8769	0.8864	0.2405
40	0.7004	0.8714	0.8625	0.2398
45	0.8317	0.8662	0.8379	0.2386
50	0.9673	0.8612	0.8128	0.2370
55	1.1055	0.8566	0.7870	0.2348
60	1.2446	0.8521	0.7607	0.2320
65	1.3828	0.8480	0.7338	0.2285
70	1.5181	0.8440	0.7064	0.2245
75	1.6486	0.8403	0.6784	0.2198
80	1.7722	0.8368	0.6498	0.2145
85	1.8870	0.8335	0.6207	0.2086
90	1.9909	0.8304	0.5912	0.2020
95	2.0818	0.8275	0.5611	0.1947
100	2.1577	0.8248	0.5306	0.1869
105	2.2166	0.8223	0.4997	0.1788
110	2.2565	0.8199	0.4683	0.1699
115	2.2766	0.8178	0.4365	0.1598
120	2.2721	0.8158	0.4044	0.1497
125	2.2442	0.8140	0.3719	0.1392
130	2.1906	0.8123	0.3391	0.1280
135	2.1198	0.8108	0.3061	0.1165
140	2.0000	0.8095	0.2727	0.1046
145	1.8607	0.8083	0.2391	0.0923
150	1.6908	0.8073	0.2054	0.0797
155	1.4895	0.8064	0.1714	0.0669
160	1.2563	0.8057	0.1373	0.0538
165	0.9907	0.8052	0.1031	0.0405
170	0.6927	0.8048	0.0688	0.0271
175	0.3624	0.8046	0.0344	0.0136
180	0.	0.8045	0.	0.

GAMMA=0.6000 ALPHA=13.000 K= 2.60
 DC= 2.4952 XR= 1.08934 BR= 1.25803
 YR=42.9372 CR= 0.74940 QR=31.82804

THETA	ST	X1	B1	S1
0	1.0000	0.9257	1.0516	0.2394
5	1.0394	0.9178	1.0315	0.2404
10	1.1189	0.9104	1.0109	0.2416
15	1.2405	0.9034	0.9898	0.2429
20	1.4065	0.8969	0.9681	0.2440
25	1.6279	0.8908	0.9458	0.2450
30	1.9350	0.8850	0.9229	0.2455
35	2.4269	0.8795	0.8994	0.2457
40	3.6910	0.8743	0.8752	0.2454
45	0.7733	0.8693	0.8504	0.2445
50	0.9237	0.8647	0.8250	0.2431
55	1.0567	0.8602	0.7990	0.2410
60	1.1906	0.8560	0.7724	0.2383
65	1.3236	0.8521	0.7452	0.2350
70	1.4540	0.8483	0.7174	0.2310
75	1.5798	0.8448	0.6890	0.2263
80	1.6991	0.8414	0.6600	0.2209
85	1.8099	0.8383	0.6306	0.2149
90	1.9102	0.8353	0.6006	0.2082
95	1.9981	0.8325	0.5701	0.2008
100	2.0715	0.8299	0.5391	0.1927
105	2.1286	0.8276	0.5077	0.1841
110	2.1675	0.8253	0.4758	0.1748
115	2.1863	0.8232	0.4436	0.1649
120	2.1833	0.8213	0.4110	0.1545
125	2.1569	0.8195	0.3780	0.1436
130	2.1056	0.8179	0.3447	0.1322
135	2.0280	0.8165	0.3111	0.1203
140	1.9229	0.8152	0.2772	0.1080
145	1.7892	0.8140	0.2431	0.0953
150	1.6260	0.8131	0.2087	0.0825
155	1.4325	0.8122	0.1742	0.0691
160	1.2082	0.8116	0.1396	0.0555
165	0.9529	0.8110	0.1048	0.0418
170	0.6663	0.8107	0.0699	0.0280
175	0.3486	0.8105	0.0350	0.0140
180	0.	0.8104	0.	0.

GAMMA=0.6000 ALPHA=13.000 K= 4.00
 DC= 2.46199 XR= 1.008324 BR= 1.19662
 YR=27.4590 CR= 0.47925 QR=16.45829

THETA	ST	X1	B1	S1
0	1.0000	0.9298	1.0172	0.2370
5	1.0700	0.9190	0.9957	0.2448
10	1.2141	0.9092	0.9742	0.2408
15	1.4374	0.9003	0.9526	0.2381
20	1.8901	0.8921	0.9306	0.2362
25	3.1445	0.8844	0.9082	0.2347
30	0.5111	0.8774	0.8855	0.2333
35	0.6402	0.8707	0.8622	0.2319
40	0.7768	0.8645	0.8385	0.2303
45	0.9194	0.8587	0.8143	0.2285
50	1.0663	0.8532	0.7895	0.2262
55	1.2158	0.8480	0.7643	0.2236
60	1.3660	0.8432	0.7385	0.2205
65	1.5149	0.8386	0.7122	0.2168
70	1.6606	0.8343	0.6854	0.2127
75	1.8009	0.8303	0.6580	0.2080
80	1.9337	0.8265	0.6302	0.2027
85	2.0568	0.8229	0.6019	0.1969
90	2.1680	0.8195	0.5731	0.1905
95	2.2651	0.8164	0.5439	0.1835
100	2.3460	0.8135	0.5142	0.1760
105	2.4084	0.8108	0.4842	0.1679
110	2.4504	0.8083	0.4537	0.1593
115	2.4698	0.8059	0.4229	0.1502
120	2.4648	0.8038	0.3917	0.1406
125	2.4336	0.8019	0.3602	0.1306
130	2.3745	0.8001	0.3285	0.1202
135	2.2860	0.7985	0.2964	0.1093
140	2.1666	0.7971	0.2641	0.0981
145	2.0153	0.7958	0.2316	0.0866
150	1.8309	0.7947	0.1988	0.0748
155	1.6126	0.7938	0.1660	0.0627
160	1.3599	0.7931	0.1329	0.0504
165	1.0723	0.7925	0.0998	0.0379
170	0.7497	0.7921	0.0666	0.0254
175	0.3922	0.7918	0.0333	0.0127
180	0.	0.7918	0.	0.

GAMMA=0.6000 ALPHA=13.000 K= 6.00				
DC= 2.7411		XR= 1.07951		BR= 1.15675
TR=18.1773		CR= 0.31726		QR= 9.70771
THETA	SI	XI	B1	S1
0	1.0000	0.99327	0.99336	0.12833
5	1.1245	0.9182	0.9694	0.12630
10	1.4239	0.9056	0.9461	0.12501
15	2.12458	0.8945	0.9232	0.12414
20	0.13434	0.8844	0.9004	0.12351
25	0.4702	0.8753	0.8775	0.12304
30	0.6077	0.8670	0.8545	0.12265
35	0.7544	0.8593	0.8313	0.12231
40	0.9087	0.8521	0.8077	0.12200
45	1.0690	0.8455	0.7837	0.12169
50	1.2335	0.8393	0.7593	0.12137
55	1.4003	0.8335	0.7346	0.12103
60	1.5675	0.8280	0.7094	0.12066
65	1.7329	0.8229	0.6838	0.12025
70	1.8943	0.8182	0.6577	0.11981
75	2.0493	0.8137	0.6312	0.11932
80	2.1958	0.8095	0.6043	0.11879
85	2.3311	0.8056	0.5769	0.11822
90	2.4531	0.8019	0.5492	0.11760
95	2.5592	0.7985	0.5210	0.11693
100	2.6470	0.7953	0.4925	0.11621
105	2.7142	0.7924	0.4635	0.11545
110	2.7586	0.7897	0.4343	0.11464
115	2.7778	0.7871	0.4047	0.11380
120	2.7699	0.7848	0.3748	0.11290
125	2.7328	0.7827	0.3446	0.11198
130	2.6646	0.7808	0.3142	0.11101
135	2.5637	0.7791	0.2835	0.11001
140	2.4286	0.7776	0.2525	0.10898
145	2.2579	0.7762	0.2214	0.10792
150	2.0505	0.7750	0.1901	0.10684
155	1.8055	0.7741	0.1587	0.10573
160	1.5222	0.7733	0.1271	0.10463
165	1.2000	0.7727	0.0954	0.10347
170	0.8389	0.7722	0.0636	0.10232
175	0.4388	0.7719	0.0318	0.10116
180	0.	0.7719	0.	0.

GAMMA=0.6000 ALPHA=13.000 K= 8.00				
DC= 2.8305		XR= 1.07765		BR= 1.113623
TR=13.5963		CR= 0.23730		QR= 6.88341
THETA	SI	XI	B1	S1
0	1.0000	0.99344	0.9811	0.13222
5	1.1942	0.9163	0.9539	0.12839
10	1.8233	0.9014	0.9287	0.12615
15	0.12705	0.8883	0.9046	0.12470
20	0.3993	0.8771	0.8809	0.12368
25	0.6403	0.8669	0.8576	0.12292
30	0.6918	0.8577	0.8342	0.12233
35	0.8525	0.8493	0.8108	0.12184
40	1.0207	0.8415	0.7872	0.12140
45	1.1948	0.8343	0.7633	0.12099
50	1.3729	0.8276	0.7392	0.12060
55	1.5532	0.8214	0.7147	0.12020
60	1.7333	0.8156	0.6899	0.11978
65	1.9112	0.8101	0.6646	0.11934
70	2.0844	0.8051	0.6391	0.11888
75	2.2506	0.8003	0.6131	0.11838
80	2.4072	0.7959	0.5867	0.11784
85	2.5516	0.7918	0.5600	0.11727
90	2.6814	0.7879	0.5329	0.11666
95	2.7939	0.7843	0.5055	0.11600
100	2.8866	0.7810	0.4777	0.11531
105	2.9570	0.7779	0.4495	0.11458
110	3.0027	0.7751	0.4211	0.11380
115	3.0213	0.7724	0.3923	0.11299
120	3.0105	0.7700	0.3633	0.11215
125	2.9683	0.7678	0.3340	0.11127
130	2.8926	0.7658	0.3044	0.11035
135	2.7818	0.7640	0.2746	0.10941
140	2.6340	0.7624	0.2446	0.10843
145	2.4480	0.7610	0.2145	0.10744
150	2.2224	0.7598	0.1841	0.10642
155	1.9563	0.7588	0.1537	0.10538
160	1.6490	0.7580	0.1231	0.10432
165	1.2998	0.7573	0.0924	0.10325
170	0.9085	0.7568	0.0616	0.10217
175	0.4752	0.7566	0.0308	0.10109
180	0.	0.7566	0.	0.

GAMMA=0.6000 ALPHA=13.000 K= 10.00				
DC= 2.9024		XR= 1.07653		BR= 1.12372
TR=10.8624		CR= 0.18958		QR= 5.33281
THETA	SI	XI	B1	S1
0	1.0000	0.99344	0.9733	0.13539
5	1.2836	0.9142	0.9432	0.13046
10	0.1816	0.8971	0.9162	0.12725
15	0.3892	0.8828	0.8909	0.12525
20	0.4803	0.8704	0.8666	0.12389
25	0.6033	0.8593	0.8427	0.12289
30	0.7388	0.8494	0.8191	0.12213
35	0.8938	0.8404	0.7955	0.12151
40	1.0688	0.8322	0.7719	0.12098
45	1.2602	0.8248	0.7481	0.12050
50	1.4693	0.8176	0.7240	0.12004
55	1.6867	0.8110	0.6997	0.11959
60	1.8755	0.8050	0.6751	0.11915
65	2.0635	0.7993	0.6502	0.11863
70	2.2464	0.7941	0.6250	0.11810
75	2.4214	0.7892	0.5994	0.11759
80	2.5861	0.7846	0.5735	0.11715
85	2.7378	0.7803	0.5472	0.11657
90	2.8737	0.7763	0.5206	0.11597
95	2.9913	0.7726	0.4937	0.11533
100	3.0877	0.7691	0.4665	0.11465
105	3.1604	0.7659	0.4389	0.11393
110	3.2068	0.7630	0.4111	0.11319
115	3.2245	0.7603	0.3829	0.11240
120	3.2111	0.7578	0.3545	0.11159
125	3.1644	0.7555	0.3259	0.11074
130	3.0823	0.7535	0.2970	0.10986
135	2.9629	0.7518	0.2679	0.10893
140	2.8045	0.7500	0.2387	0.10803
145	2.6056	0.7486	0.2092	0.10708
150	2.3649	0.7473	0.1796	0.10611
155	2.0812	0.7463	0.1499	0.10512
160	1.7539	0.7454	0.1200	0.10411
165	1.3823	0.7448	0.0901	0.10309
170	0.9661	0.7443	0.0601	0.10207
175	0.5053	0.7440	0.0301	0.10104
180	0.	0.7439	0.	0.

GAMMA=0.6000 ALPHA=13.000 K= 20.00				
DC= 3.1444		XR= 1.07430		BR= 1.109823
TR= 4.7498		CR= 0.07714		QR= 2.50998
THETA	SI	XI	B1	S1
0	1.0000	0.99375	0.9570	0.15822
5	0.1296	0.9822	0.9134	0.15890
10	0.2944	0.9679	0.8798	0.15123
15	0.4699	0.9550	0.8505	0.15271
20	0.6563	0.9434	0.8237	0.15248
25	0.8506	0.9300	0.7982	0.15289
30	1.0553	0.9182	0.7736	0.15254
35	1.2682	0.9077	0.7495	0.15205
40	1.4879	0.8982	0.7257	0.15193
45	1.7127	0.8896	0.7020	0.15193
50	1.9404	0.8817	0.6783	0.15181
55	2.1688	0.8744	0.6546	0.15184
60	2.3954	0.8677	0.6308	0.15179
65	2.6174	0.8615	0.6068	0.15175
70	2.8321	0.8557	0.5826	0.15162
75	3.0364	0.8503	0.5582	0.15158
80	3.2275	0.8453	0.5335	0.15153
85	3.4022	0.8407	0.5087	0.15156
90	3.5575	0.8364	0.4836	0.15198
95	3.6902	0.8324	0.4582	0.15137
100	3.7974	0.8287	0.4326	0.15124
105	3.8759	0.8253	0.4068	0.15120
110	3.9229	0.8221	0.3808	0.15111
115	3.9356	0.8192	0.3546	0.151071
120	3.9112	0.8166	0.3281	0.15098
125	3.8473	0.8142	0.3015	0.150923
130	3.7413	0.8120	0.2747	0.150847
135	3.5912	0.8100	0.2477	0.150768
140	3.3949	0.8083	0.2205	0.150687
145	3.1508	0.8068	0.1933	0.150605
150	2.8588	0.8054	0.1659	0.150522
155	2.5122	0.8043	0.1384	0.150437
160	2.1258	0.8034	0.1108	0.150351
165	1.6867	0.8027	0.0832	0.150264
170	1.1645	0.8022	0.0555	0.150176
175	0.6089	0.8019	0.0278	0.150088
180	0.	0.8018	0.	0.

GAMMA = 0.6000 ALPHA = 14.000 K = 0.200

DC = 1.7552 X0 = 1.6166 B0 = 2.160916 V2 = -0.3659E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8984	1.5150	0.5012	0.8984	1.5150	0.5293			
5	0.9953	0.8972	1.4857	0.5066	0.8996	1.5434	0.5230	3.2962	3.3550	28.1879
10	1.0165	0.8960	1.4555	0.5112	0.9007	1.5710	0.5161	2.8053	2.9028	9.5230
15	1.0549	0.8949	1.4244	0.5148	0.9019	1.5976	0.5085	2.5589	2.6894	4.9361
20	1.1069	0.8937	1.3924	0.5173	0.9031	1.6234	0.5005	2.4009	2.5605	3.0438
25	1.1704	0.8926	1.3596	0.5188	0.9043	1.6483	0.4919	2.2879	2.4737	2.0622
30	1.2435	0.8915	1.3258	0.5192	0.9055	1.6723	0.4830	2.2014	2.4113	1.4816
35	1.3248	0.8904	1.2912	0.5185	0.9067	1.6955	0.4736	2.1324	2.3644	1.1077
40	1.4127	0.8893	1.2557	0.5166	0.9079	1.7179	0.4640	2.0758	2.3283	0.8522
45	1.5060	0.8882	1.2194	0.5134	0.9090	1.7394	0.4542	2.0282	2.2997	0.6699
50	1.6034	0.8872	1.1823	0.5090	0.9102	1.7601	0.4441	1.9877	2.2769	0.5353
55	1.7036	0.8862	1.1443	0.5033	0.9113	1.7800	0.4340	1.9526	2.2583	0.4334
60	1.8053	0.8852	1.1055	0.4964	0.9125	1.7991	0.4238	1.9220	2.2431	0.3547
65	1.9072	0.8843	1.0659	0.4881	0.9136	1.8175	0.4136	1.8950	2.2306	0.2927
70	2.0081	0.8833	1.0256	0.4786	0.9147	1.8351	0.4035	1.8710	2.2201	0.2433
75	2.1069	0.8824	0.9845	0.4677	0.9158	1.8519	0.3934	1.8496	2.2114	0.2035
80	2.2023	0.8816	0.9427	0.4556	0.9168	1.8681	0.3835	1.8305	2.2040	0.1710
85	2.2932	0.8807	0.9001	0.4421	0.9179	1.8835	0.3739	1.8132	2.1978	0.1444
90	2.3785	0.8800	0.8569	0.4274	0.9189	1.8983	0.3644	1.7975	2.1925	0.1224
95	2.4570	0.8792	0.8131	0.4115	0.9199	1.9124	0.3553	1.7834	2.1880	0.1041
100	2.5279	0.8785	0.7686	0.3943	0.9209	1.9259	0.3465	1.7704	2.1842	0.0889
105	2.5901	0.8778	0.7236	0.3760	0.9218	1.9387	0.3380	1.7587	2.1810	0.0761
110	2.6427	0.8772	0.6780	0.3565	0.9227	1.9509	0.3300	1.7479	2.1782	0.0653
115	2.6850	0.8766	0.6318	0.3359	0.9236	1.9626	0.3224	1.7380	2.1758	0.0563
120	2.7162	0.8760	0.5852	0.3144	0.9245	1.9737	0.3152	1.7290	2.1737	0.0486
125	2.7358	0.8755	0.5381	0.2918	0.9253	1.9843	0.3085	1.7207	2.1720	0.0422
130	2.7630	0.8750	0.4905	0.2683	0.9262	1.9943	0.3023	1.7130	2.1705	0.0367
135	2.7377	0.8746	0.4426	0.2440	0.9269	2.0038	0.2967	1.7060	2.1692	0.0322
140	2.7196	0.8742	0.3943	0.2189	0.9277	2.0129	0.2916	1.6995	2.1681	0.0284
145	2.6883	0.8738	0.3457	0.1931	0.9284	2.0215	0.2870	1.6935	2.1671	0.0252
150	2.6439	0.8735	0.2969	0.1667	0.9291	2.0296	0.2831	1.6880	2.1663	0.0226
155	2.5865	0.8733	0.2478	0.1397	0.9298	2.0374	0.2797	1.6829	2.1655	0.0205
160	2.5164	0.8731	0.1984	0.1123	0.9305	2.0447	0.2769	1.6781	2.1649	0.0188
165	2.4339	0.8729	0.1490	0.0846	0.9311	2.0515	0.2748	1.6737	2.1644	0.0176
170	2.3396	0.8728	0.0994	0.0565	0.9317	2.0581	0.2732	1.6697	2.1639	0.0167
175	2.2343	0.8727	0.0497	0.0283	0.9323	2.0643	0.2723	1.6659	2.1635	0.0162
180	2.1189	0.8727	0.	0.	0.9328	2.0702	0.2720	1.6624	2.1632	0.0160

GAMMA = 0.6000 ALPHA = 14.000 K = 0.400

DC = 1.9485 X0 = 1.3927 B0 = 1.856858 V2 = -0.4485E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9056	1.3457	0.3795	0.9056	1.3457	0.3981			
5	0.9998	0.9037	1.3207	0.3854	0.9075	1.3699	0.3916	2.7993	2.8488	19.9767
10	1.0258	0.9018	1.2948	0.3905	0.9095	1.3933	0.3847	2.3894	2.4718	6.7532
15	1.0695	0.8999	1.2681	0.3948	0.9115	1.4158	0.3772	2.1841	2.2942	3.5003
20	1.1274	0.8980	1.2405	0.3983	0.9135	1.4375	0.3693	2.0526	2.1872	2.1575
25	1.1972	0.8962	1.2120	0.4010	0.9155	1.4583	0.3611	1.9583	2.1152	1.4606
30	1.2771	0.8945	1.1827	0.4027	0.9175	1.4783	0.3525	1.8862	2.0635	1.0485
35	1.3654	0.8927	1.1526	0.4035	0.9196	1.4975	0.3437	1.8288	2.0248	0.7832
40	1.4608	0.8910	1.1216	0.4033	0.9216	1.5160	0.3347	1.7817	1.9950	0.6020
45	1.5616	0.8894	1.0899	0.4021	0.9236	1.5337	0.3257	1.7421	1.9715	0.4729
50	1.6665	0.8878	1.0573	0.3998	0.9256	1.5506	0.3165	1.7084	1.9527	0.3776
55	1.7740	0.8862	1.0239	0.3964	0.9277	1.5668	0.3074	1.6792	1.9374	0.3056
60	1.8828	0.8847	0.9897	0.3920	0.9297	1.5823	0.2982	1.6537	1.9249	0.2500
65	1.9913	0.8832	0.9548	0.3864	0.9317	1.5971	0.2892	1.6312	1.9146	0.2063
70	2.0982	0.8818	0.9191	0.3797	0.9336	1.6112	0.2802	1.6112	1.9060	0.1715
75	2.2022	0.8805	0.8827	0.3719	0.9356	1.6246	0.2714	1.5934	1.8988	0.1435
80	2.3018	0.8792	0.8455	0.3630	0.9375	1.6374	0.2629	1.5774	1.8928	0.1207
85	2.3958	0.8779	0.8077	0.3529	0.9395	1.6495	0.2545	1.5629	1.8877	0.1020
90	2.4829	0.8767	0.7693	0.3418	0.9414	1.6611	0.2465	1.5498	1.8833	0.0866
95	2.5618	0.8756	0.7302	0.3296	0.9432	1.6721	0.2387	1.5379	1.8797	0.0738
100	2.6315	0.8745	0.6905	0.3164	0.9451	1.6825	0.2313	1.5270	1.8765	0.0631
105	2.6907	0.8735	0.6502	0.3021	0.9469	1.6924	0.2242	1.5171	1.8738	0.0541
110	2.7385	0.8725	0.6094	0.2868	0.9486	1.7018	0.2175	1.5080	1.8715	0.0466
115	2.7740	0.8716	0.5681	0.2706	0.9504	1.7107	0.2112	1.4997	1.8695	0.0403
120	2.7962	0.8708	0.5263	0.2535	0.9521	1.7192	0.2053	1.4920	1.8678	0.0349
125	2.8045	0.8700	0.4841	0.2355	0.9537	1.7271	0.1998	1.4850	1.8664	0.0304
130	2.7983	0.8693	0.4414	0.2168	0.9554	1.7347	0.1948	1.4785	1.8651	0.0266
135	2.7768	0.8687	0.3984	0.1973	0.9569	1.7418	0.1902	1.4725	1.8640	0.0234
140	2.7401	0.8681	0.3550	0.1771	0.9585	1.7486	0.1861	1.4669	1.8631	0.0207
145	2.6876	0.8676	0.3113	0.1564	0.9600	1.7549	0.1824	1.4618	1.8623	0.0185
150	2.6195	0.8672	0.2673	0.1350	0.9614	1.7609	0.1792	1.4570	1.8616	0.0166
155	2.5357	0.8668	0.2231	0.1133	0.9629	1.7666	0.1765	1.4526	1.8609	0.0152
160	2.4365	0.8665	0.1787	0.0911	0.9642	1.7720	0.1743	1.4485	1.8604	0.0140
165	2.3224	0.8663	0.1342	0.0686	0.9656	1.7770	0.1726	1.4447	1.8599	0.0131
170	2.1940	0.8661	0.0895	0.0459	0.9668	1.7818	0.1714	1.4411	1.8595	0.0125
175	2.0522	0.8660	0.0448	0.0230	0.9681	1.7863	0.1706	1.4379	1.8592	0.0121
180	1.8979	0.8660	0.	0.	0.9693	1.7905	0.1704	1.4348	1.8589	0.0120

GAMMA = 0.6000 ALPHA = 14.000 K = 0.600

DC = 2.0612 XO = 1.2471 BO = 1.696874 Y2 = -0.3348E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9106	1.2622	0.3254	0.9106	1.2622	0.3385			
5	1.0037	0.9080	1.2393	0.3314	0.9132	1.2843	0.3319	2.5474	2.5922	16.3471
10	1.0334	0.9055	1.2156	0.3367	0.9159	1.3055	0.3249	2.1788	2.2534	5.5305
15	1.0811	0.9030	1.1910	0.3414	0.9186	1.3260	0.3174	1.9940	2.0938	2.8674
20	1.1435	0.9005	1.1656	0.3453	0.9213	1.3456	0.3096	1.8759	1.9980	1.7678
25	1.2184	0.8982	1.1393	0.3484	0.9241	1.3644	0.3014	1.7911	1.9334	1.1971
30	1.3038	0.8959	1.1122	0.3507	0.9269	1.3824	0.2930	1.7263	1.8871	0.8598
35	1.3980	0.8936	1.0842	0.3522	0.9298	1.3996	0.2844	1.6746	1.8524	0.6428
40	1.4993	0.8914	1.0555	0.3527	0.9326	1.4161	0.2756	1.6321	1.8256	0.4948
45	1.6063	0.8893	1.0259	0.3523	0.9355	1.4318	0.2667	1.5944	1.8045	0.3893
50	1.7172	0.8872	0.9956	0.3509	0.9384	1.4468	0.2578	1.5659	1.7876	0.3117
55	1.8306	0.8852	0.9644	0.3485	0.9413	1.4611	0.2489	1.5394	1.7738	0.2530
60	1.9447	0.8833	0.9325	0.3451	0.9443	1.4746	0.2401	1.5162	1.7625	0.2077
65	2.0582	0.8814	0.8998	0.3407	0.9472	1.4875	0.2313	1.4957	1.7532	0.1722
70	2.1693	0.8796	0.8664	0.3352	0.9501	1.4998	0.2227	1.4774	1.7453	0.1439
75	2.2767	0.8779	0.8323	0.3287	0.9531	1.5114	0.2143	1.4610	1.7387	0.1212
80	2.3788	0.8763	0.7975	0.3212	0.9560	1.5224	0.2061	1.4462	1.7332	0.1026
85	2.4741	0.8747	0.7620	0.3127	0.9589	1.5328	0.1981	1.4327	1.7284	0.0874
90	2.5613	0.8732	0.7259	0.3031	0.9619	1.5426	0.1904	1.4205	1.7244	0.0749
95	2.6391	0.8718	0.6892	0.2926	0.9648	1.5519	0.1831	1.4093	1.7209	0.0644
100	2.7061	0.8705	0.6518	0.2810	0.9676	1.5606	0.1760	1.3991	1.7179	0.0557
105	2.7611	0.8692	0.6139	0.2686	0.9705	1.5689	0.1694	1.3896	1.7153	0.0484
110	2.8031	0.8680	0.5755	0.2552	0.9734	1.5767	0.1630	1.3809	1.7131	0.0422
115	2.8310	0.8669	0.5366	0.2409	0.9762	1.5840	0.1571	1.3729	1.7112	0.0370
120	2.8439	0.8659	0.4971	0.2258	0.9790	1.5910	0.1516	1.3654	1.7095	0.0326
125	2.8411	0.8650	0.4573	0.2099	0.9817	1.5974	0.1465	1.3585	1.7080	0.0288
130	2.8217	0.8641	0.4170	0.1933	0.9845	1.6033	0.1418	1.3521	1.7067	0.0257
135	2.7855	0.8633	0.3764	0.1760	0.9872	1.6093	0.1375	1.3461	1.7056	0.0230
140	2.7319	0.8626	0.3354	0.1581	0.9898	1.6147	0.1337	1.3405	1.7046	0.0208
145	2.6607	0.8620	0.2942	0.1396	0.9924	1.6197	0.1303	1.3353	1.7037	0.0189
150	2.5719	0.8615	0.2526	0.1206	0.9950	1.6245	0.1274	1.3304	1.7030	0.0173
155	2.4656	0.8610	0.2109	0.1012	0.9975	1.6289	0.1249	1.3258	1.7023	0.0161
160	2.3418	0.8607	0.1689	0.0814	1.0000	1.6331	0.1228	1.3215	1.7017	0.0151
165	2.2017	0.8604	0.1268	0.0613	1.0025	1.6370	0.1212	1.3174	1.7012	0.0144
170	2.0456	0.8602	0.0846	0.0410	1.0049	1.6406	0.1201	1.3136	1.7007	0.0138
175	1.8745	0.8600	0.0423	0.0205	1.0072	1.6440	0.1194	1.3101	1.7003	0.0135
180	1.6896	0.8600	0.	0.	1.0096	1.6472	0.1192	1.3067	1.6999	0.0134

GAMMA = 0.6000 ALPHA = 14.000 K = 0.800

DC = 2.1404 XR = 1.1324 BR = 1.578678 TR = 145.47 CR = 3.7442 QR = 0.5810E 04

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9143	1.2099	0.2940	0.9143	1.2099	0.2940			
5	1.0065	0.9112	1.1883	0.3001	0.9176	1.2307	0.2875	2.3842	2.4260	14.1862
10	1.0385	0.9081	1.1658	0.3055	0.9209	1.2506	0.2804	2.0423	2.1118	4.8032
15	1.0885	0.9050	1.1425	0.3102	0.9243	1.2698	0.2730	1.8709	1.9640	2.4916
20	1.1536	0.9021	1.1184	0.3143	0.9278	1.2882	0.2651	1.7613	1.8752	1.5371
25	1.2314	0.8992	1.0935	0.3177	0.9313	1.3057	0.2569	1.6825	1.8154	1.0420
30	1.3200	0.8964	1.0677	0.3202	0.9349	1.3225	0.2485	1.6223	1.7724	0.7495
35	1.4175	0.8937	1.0411	0.3220	0.9386	1.3385	0.2398	1.5741	1.7401	0.5617
40	1.5223	0.8911	1.0137	0.3228	0.9423	1.3538	0.2310	1.5344	1.7151	0.4336
45	1.6324	0.8886	0.9855	0.3228	0.9461	1.3683	0.2220	1.5009	1.6954	0.3425
50	1.7461	0.8861	0.9566	0.3219	0.9499	1.3821	0.2130	1.4721	1.6795	0.2756
55	1.8617	0.8838	0.9268	0.3200	0.9538	1.3952	0.2040	1.4471	1.6665	0.2250
60	1.9774	0.8815	0.8963	0.3172	0.9577	1.4076	0.1950	1.4250	1.6558	0.1860
65	2.0913	0.8793	0.8651	0.3134	0.9617	1.4194	0.1861	1.4054	1.6468	0.1554
70	2.2017	0.8772	0.8331	0.3087	0.9657	1.4305	0.1772	1.3878	1.6392	0.1310
75	2.3070	0.8752	0.8004	0.3029	0.9698	1.4410	0.1686	1.3718	1.6328	0.1114
80	2.4053	0.8733	0.7670	0.2962	0.9739	1.4509	0.1600	1.3573	1.6272	0.0954
85	2.4951	0.8715	0.7330	0.2885	0.9781	1.4603	0.1517	1.3440	1.6225	0.0823
90	2.5747	0.8698	0.6983	0.2799	0.9823	1.4691	0.1436	1.3318	1.6183	0.0714
95	2.6425	0.8681	0.6631	0.2703	0.9865	1.4774	0.1358	1.3205	1.6147	0.0623
100	2.6971	0.8666	0.6272	0.2597	0.9908	1.4851	0.1282	1.3100	1.6116	0.0547
105	2.7369	0.8651	0.5908	0.2483	0.9952	1.4924	0.1209	1.3002	1.6088	0.0483
110	2.7607	0.8638	0.5539	0.2360	0.9995	1.4993	0.1138	1.2910	1.6063	0.0428
115	2.7671	0.8625	0.5164	0.2229	1.0039	1.5057	0.1071	1.2823	1.6041	0.0382
120	2.7550	0.8613	0.4785	0.2090	1.0084	1.5117	0.1007	1.2742	1.6022	0.0342
125	2.7233	0.8603	0.4402	0.1944	1.0128	1.5173	0.0945	1.2664	1.6004	0.0309
130	2.6710	0.8593	0.4015	0.1790	1.0174	1.5226	0.0887	1.2591	1.5988	0.0280
135	2.5973	0.8584	0.3624	0.1630	1.0219	1.5275	0.0832	1.2520	1.5973	0.0255
140	2.5016	0.8576	0.3230	0.1465	1.0266	1.5321	0.0780	1.2453	1.5960	0.0233
145	2.3833	0.8569	0.2832	0.1294	1.0313	1.5364	0.0731	1.2388	1.5948	0.0215
150	2.2420	0.8563	0.2433	0.1118	1.0360	1.5404	0.0685	1.2325	1.5936	0.0200
155	2.0847	0.8558	0.2031	0.0938	1.0408	1.5442	0.0642	1.2264	1.5926	0.0184
160	1.9129	0.8553	0.1627	0.0754	1.0457	1.5477	0.0602	1.2204	1.5916	0.0168
165	1.7255	0.8550	0.1221	0.0568	1.0508	1.5510	0.0566	1.2144	1.5907	0.0152
170	1.5232	0.8548	0.0815	0.0380	1.0559	1.5540	0.0534	1.2088	1.5898	0.0136
175	1.3069	0.8546	0.0408	0.0190	1.0612	1.5569	0.0503	1.2030	1.5889	0.0120
180	1.0756	0.8546	0.	0.	1.0667	1.5597	0.0479	1.1977	1.5881	0.0105

GAMMA = 0.6000 ALPHA = 14.000 K = 1.000

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9173	1.1732	0.2738	0.9173	1.1732	0.2738			
5	1.0101	0.9136	1.1524	0.2797	0.9211	1.1932	0.2674	2.2657	2.3053	12.7140
10	1.0458	0.9099	1.1308	0.2851	0.9251	1.2123	0.2605	1.9431	2.0090	4.3083
15	1.1003	0.9064	1.1084	0.2898	0.9292	1.2307	0.2533	1.7813	1.8696	2.2368
20	1.1708	0.9030	1.0852	0.2939	0.9333	1.2482	0.2457	1.6779	1.7860	1.3817
25	1.2551	0.8997	1.0611	0.2973	0.9376	1.2650	0.2378	1.6034	1.7294	0.9387
30	1.3512	0.8965	1.0363	0.3000	0.9420	1.2810	0.2296	1.5463	1.6887	0.6773
35	1.4571	0.8934	1.0106	0.3018	0.9465	1.2963	0.2213	1.5004	1.6580	0.5097
40	1.5709	0.8904	0.9842	0.3029	0.9511	1.3109	0.2129	1.4625	1.6342	0.3956
45	1.6909	0.8875	0.9569	0.3031	0.9558	1.3247	0.2044	1.4303	1.6153	0.3147
50	1.8152	0.8848	0.9289	0.3024	0.9607	1.3378	0.1959	1.4025	1.5999	0.2552
55	1.9420	0.8821	0.9001	0.3009	0.9657	1.3502	0.1875	1.3782	1.5872	0.2105
60	2.0694	0.8795	0.8706	0.2984	0.9708	1.3620	0.1791	1.3565	1.5766	0.1761
65	2.1958	0.8771	0.8403	0.2950	0.9760	1.3732	0.1708	1.3370	1.5676	0.1492
70	2.3196	0.8747	0.8093	0.2906	0.9814	1.3838	0.1627	1.3193	1.5598	0.1280
75	2.4391	0.8725	0.7776	0.2853	0.9869	1.3937	0.1548	1.3031	1.5532	0.1110
80	2.5529	0.8704	0.7453	0.2791	0.9926	1.4032	0.1472	1.2881	1.5473	0.0973
85	2.6598	0.8683	0.7123	0.2720	0.9985	1.4121	0.1399	1.2741	1.5421	0.0862
90	2.7586	0.8664	0.6786	0.2639	1.0046	1.4205	0.1330	1.2610	1.5375	0.0773
95	2.8485	0.8646	0.6444	0.2549	1.0109	1.4284	0.1265	1.2485	1.5333	0.0701
100	2.9294	0.8629	0.6096	0.2451	1.0175	1.4359	0.1204	1.2365	1.5295	0.0645
105	3.0017	0.8613	0.5742	0.2344	1.0244	1.4431	0.1150	1.2249	1.5259	0.0601
110	3.0669	0.8598	0.5384	0.2228	1.0316	1.4498	0.1102	1.2136	1.5226	0.0571
115	3.1290	0.8584	0.5020	0.2105	1.0394	1.4563	0.1065	1.2023	1.5194	0.0555
120	3.1965	0.8571	0.4652	0.1974	1.0478	1.4626	0.1040	1.1908	1.5162	0.0555
125	3.2888	0.8559	0.4279	0.1836	1.0572	1.4688	0.1039	1.1789	1.5129	0.0579
130	3.4591	0.8548	0.3903	0.1691	1.0680	1.4751	0.1083	1.1659	1.5094	0.0651
135	3.9205	0.8538	0.3523	0.1541	1.0818	1.4819	0.1267	1.1503	1.5052	0.0861
140	1.5622	0.8529	0.3140	0.1384						
145	1.4544	0.8522	0.2754	0.1223						
150	1.3224	0.8515	0.2365	0.1057						
155	1.1655	0.8509	0.1974	0.0887						
160	0.9834	0.8505	0.1582	0.0713						
165	0.7758	0.8501	0.1188	0.0537						
170	0.5426	0.8498	0.0792	0.0359						
175	0.2839	0.8497	0.0396	0.0180						
180	0.	0.8496	0.	0.						

GAMMA = 0.6000 ALPHA = 14.000 K = 1.200

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9197	1.1458	0.2601	0.9197	1.1458	0.2601			
5	1.0137	0.9154	1.1256	0.2658	0.9241	1.1652	0.2539	2.1740	2.2119	11.6283
10	1.0532	0.9113	1.1046	0.2710	0.9287	1.1838	0.2473	1.8662	1.9293	3.9441
15	1.1127	0.9074	1.0828	0.2756	0.9334	1.2017	0.2404	1.7120	1.7965	2.0502
20	1.1895	0.9035	1.0602	0.2796	0.9382	1.2188	0.2332	1.6131	1.7166	1.2691
25	1.2814	0.8998	1.0368	0.2829	0.9433	1.2351	0.2258	1.5418	1.6625	0.8649
30	1.3864	0.8962	1.0126	0.2855	0.9485	1.2507	0.2182	1.4868	1.6234	0.6268
35	1.5027	0.8928	0.9875	0.2874	0.9539	1.2656	0.2105	1.4426	1.5938	0.4745
40	1.6285	0.8895	0.9618	0.2885	0.9594	1.2797	0.2027	1.4057	1.5706	0.3712
45	1.7619	0.8863	0.9352	0.2888	0.9652	1.2932	0.1950	1.3742	1.5520	0.2982
50	1.9014	0.8832	0.9079	0.2883	0.9713	1.3060	0.1874	1.3468	1.5368	0.2449
55	2.0456	0.8803	0.8798	0.2869	0.9775	1.3182	0.1800	1.3225	1.5240	0.2051
60	2.1934	0.8775	0.8509	0.2846	0.9841	1.3299	0.1729	1.3006	1.5131	0.1749
65	2.3441	0.8748	0.8214	0.2814	0.9909	1.3409	0.1662	1.2805	1.5037	0.1517
70	2.4974	0.8722	0.7911	0.2774	0.9982	1.3515	0.1599	1.2620	1.4954	0.1340
75	2.6544	0.8698	0.7602	0.2724	1.0059	1.3616	0.1545	1.2445	1.4880	0.1207
80	2.8175	0.8675	0.7286	0.2665	1.0141	1.3713	0.1500	1.2278	1.4812	0.1111
85	2.9932	0.8653	0.6964	0.2598	1.0230	1.3807	0.1470	1.2116	1.4748	0.1051
90	3.1952	0.8632	0.6635	0.2521	1.0328	1.3900	0.1463	1.1953	1.4687	0.1030
95	3.4583	0.8612	0.6301	0.2436	1.0441	1.3992	0.1503	1.1786	1.4625	0.1066
100	3.8921	0.8594	0.5961	0.2342	1.0577	1.4089	0.1652	1.1602	1.4557	0.1221
105	5.1952	0.8576	0.5615	0.2240	1.0772	1.4206	0.2326	1.1365	1.4469	0.1904
110	1.8339	0.8560	0.5265	0.2130						
115	1.8521	0.8545	0.4909	0.2012						
120	1.8517	0.8531	0.4549	0.1887						
125	1.8312	0.8518	0.4185	0.1756						
130	1.7893	0.8506	0.3817	0.1617						
135	1.7248	0.8496	0.3446	0.1473						
140	1.6366	0.8486	0.3071	0.1324						
145	1.5238	0.8478	0.2693	0.1169						
150	1.3856	0.8471	0.2313	0.1011						
155	1.2213	0.8465	0.1931	0.0848						
160	1.0305	0.8460	0.1547	0.0682						
165	0.8129	0.8456	0.1162	0.0514						
170	0.5686	0.8453	0.0775	0.0344						
175	0.2975	0.8451	0.0388	0.0172						
180	0.	0.8451	0.	0.						

GAMMA = 0.6000 ALPHA = 14.000 K = 1.400

DC = 2.2922 XR = 1.0998 BR = 1.389222 TR = 88.40 CR = 1.5429 QR = 0.1616E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9217	1.1244	0.2504	0.9217	1.1244	0.2504			
5	1.0172	0.9169	1.1046	0.2558	0.9266	1.1435	0.2446	2.0996	2.1361	10.7856
10	1.0608	0.9124	1.0840	0.2608	0.9318	1.1618	0.2385	1.8040	1.8648	3.6621
15	1.1258	0.9080	1.0626	0.2652	0.9371	1.1793	0.2321	1.6557	1.7372	1.9067
20	1.2099	0.9037	1.0405	0.2690	0.9427	1.1961	0.2254	1.5604	1.6603	1.1835
25	1.3109	0.8997	1.0175	0.2722	0.9485	1.2122	0.2187	1.4915	1.6080	0.8100
30	1.4269	0.8958	0.9938	0.2748	0.9546	1.2276	0.2119	1.4381	1.5700	0.5906
35	1.5564	0.8920	0.9693	0.2766	0.9609	1.2424	0.2051	1.3949	1.5411	0.4507
40	1.6979	0.8884	0.9440	0.2777	0.9676	1.2565	0.1985	1.3586	1.5182	0.3563
45	1.8505	0.8849	0.9179	0.2780	0.9746	1.2699	0.1922	1.3273	1.4996	0.2902
50	2.0138	0.8816	0.8911	0.2775	0.9821	1.2829	0.1864	1.2996	1.4841	0.2426
55	2.1885	0.8785	0.8636	0.2762	0.9900	1.2953	0.1813	1.2747	1.4709	0.2081
60	2.3769	0.8754	0.8353	0.2740	0.9985	1.3073	0.1772	1.2518	1.4593	0.1831
65	2.5845	0.8725	0.8063	0.2710	1.0078	1.3190	0.1748	1.2302	1.4488	0.1660
70	2.8244	0.8698	0.7766	0.2671	1.0181	1.3305	0.1751	1.2093	1.4391	0.1560
75	3.1276	0.8672	0.7463	0.2624	1.0299	1.3421	0.1805	1.1884	1.4297	0.1545
80	3.5897	0.8647	0.7153	0.2567	1.0441	1.3543	0.1980	1.1663	1.4200	0.1676
85	4.7195	0.8623	0.6836	0.2502	1.0640	1.3685	0.2649	1.1397	1.4082	0.2319
90	1.6717	0.8601	0.6514	0.2429						
95	1.7518	0.8580	0.6186	0.2347						
100	1.8192	0.8560	0.5852	0.2257						
105	1.8722	0.8541	0.5513	0.2159						
110	1.9090	0.8524	0.5169	0.2053						
115	1.9281	0.8508	0.4820	0.1939						
120	1.9277	0.8493	0.4467	0.1819						
125	1.9065	0.8480	0.4109	0.1692						
130	1.8630	0.8467	0.3748	0.1559						
135	1.7959	0.8456	0.3383	0.1420						
140	1.7041	0.8446	0.3015	0.1276						
145	1.5867	0.8437	0.2645	0.1127						
150	1.4428	0.8430	0.2271	0.0974						
155	1.2717	0.8423	0.1896	0.0818						
160	1.0731	0.8418	0.1519	0.0658						
165	0.8465	0.8414	0.1141	0.0495						
170	0.5921	0.8411	0.0761	0.0331						
175	0.3098	0.8409	0.0381	0.0166						
180	0.	0.8409	0.	0.						

GAMMA = 0.6000 ALPHA = 14.000 K = 1.600

DC = 2.3280 XR = 1.0955 BR = 1.353966 TR = 75.32 CR = 1.3145 QR = 0.1083E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9234	1.1073	0.2437	0.9234	1.1073	0.2437			
5	1.0208	0.9182	1.0877	0.2487	0.9289	1.1261	0.2383	2.0376	2.0729	10.1071
10	1.0687	0.9131	1.0674	0.2533	0.9346	1.1442	0.2327	1.7521	1.8110	3.4357
15	1.1400	0.9084	1.0463	0.2574	0.9406	1.1616	0.2269	1.6086	1.6875	1.7926
20	1.2324	0.9038	1.0244	0.2610	0.9469	1.1783	0.2211	1.5162	1.6130	1.1167
25	1.3440	0.8994	1.0018	0.2640	0.9535	1.1944	0.2153	1.4491	1.5621	0.7683
30	1.4736	0.8951	0.9784	0.2665	0.9605	1.2098	0.2097	1.3969	1.5249	0.5645
35	1.6201	0.8911	0.9543	0.2682	0.9679	1.2246	0.2044	1.3542	1.4963	0.4353
40	1.7836	0.8872	0.9294	0.2692	0.9758	1.2389	0.1998	1.3180	1.4734	0.3491
45	1.9654	0.8835	0.9037	0.2695	0.9843	1.2528	0.1960	1.2863	1.4545	0.2899
50	2.1694	0.8800	0.8773	0.2690	0.9936	1.2663	0.1939	1.2578	1.4383	0.2492
55	2.4051	0.8766	0.8502	0.2677	1.0039	1.2796	0.1942	1.2314	1.4240	0.2223
60	2.6942	0.8734	0.8224	0.2656	1.0155	1.2929	0.1990	1.2061	1.4108	0.2080
65	3.0965	0.8703	0.7939	0.2627	1.0293	1.3067	0.2137	1.1806	1.3979	0.2093
70	3.8503	0.8674	0.7646	0.2589	1.0473	1.3220	0.2588	1.1527	1.3840	0.2451
75	1.4234	0.8646	0.7348	0.2543						
80	1.5345	0.8620	0.7042	0.2488						
85	1.6381	0.8595	0.6731	0.2425						
90	1.7323	0.8571	0.6414	0.2354						
95	1.8153	0.8549	0.6090	0.2275						
100	1.8851	0.8528	0.5762	0.2187						
105	1.9401	0.8509	0.5428	0.2092						
110	1.9783	0.8490	0.5089	0.1990						
115	1.9981	0.8474	0.4746	0.1880						
120	1.9978	0.8458	0.4398	0.1763						
125	1.9758	0.8444	0.4046	0.1640						
130	1.9307	0.8431	0.3690	0.1511						
135	1.8612	0.8419	0.3331	0.1377						
140	1.7661	0.8408	0.2969	0.1237						
145	1.6444	0.8399	0.2604	0.1093						
150	1.4953	0.8391	0.2236	0.0944						
155	1.3180	0.8384	0.1867	0.0793						
160	1.1121	0.8379	0.1496	0.0638						
165	0.8774	0.8375	0.1123	0.0480						
170	0.6136	0.8372	0.0749	0.0321						
175	0.3211	0.8370	0.0375	0.0161						
180	0.	0.8369	0.	0.						

GAMMA = 0.6000 ALPHA = 14.000 K = 1.800

DC = 2.3595 XR = 1.0922 BR = 1.325724 TR = 65.76 CR = 1.1478 QR = 0.7996E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9248	1.0931	0.2389	0.9248	1.0931	0.2389			
5	1.0243	0.9191	1.0737	0.2434	0.9308	1.1119	0.2341	1.9848	2.0191	9.5455
10	1.0770	0.9137	1.0536	0.2477	0.9371	1.1299	0.2292	1.7078	1.7650	3.2492
15	1.1552	0.9085	1.0327	0.2515	0.9437	1.1473	0.2243	1.5682	1.6450	1.6998
20	1.2571	0.9036	1.0110	0.2548	0.9508	1.1640	0.2195	1.4782	1.5725	1.0634
25	1.3815	0.8989	0.9887	0.2576	0.9583	1.1802	0.2150	1.4125	1.5226	0.7365
30	1.5278	0.8944	0.9656	0.2599	0.9663	1.1958	0.2111	1.3609	1.4858	0.5463
35	1.6969	0.8901	0.9417	0.2615	0.9749	1.2110	0.2081	1.3184	1.4572	0.4270
40	1.8923	0.8860	0.9171	0.2624	0.9843	1.2259	0.2067	1.2818	1.4340	0.3492
45	2.1221	0.8820	0.8918	0.2626	0.9948	1.2405	0.2080	1.2492	1.4143	0.2985
50	2.4063	0.8783	0.8657	0.2621	1.0067	1.2552	0.2140	1.2189	1.3967	0.2685
55	2.7983	0.8747	0.8390	0.2608	1.0208	1.2705	0.2303	1.1894	1.3803	0.2595
60	3.5000	0.8713	0.8115	0.2587	1.0390	1.2875	0.2768	1.1580	1.3632	0.2883
65	1.2254	0.8681	0.7833	0.2558						
70	1.3498	0.8650	0.7545	0.2521						
75	1.4702	0.8621	0.7250	0.2476						
80	1.5848	0.8593	0.6949	0.2423						
85	1.6917	0.8567	0.6641	0.2362						
90	1.7889	0.8543	0.6328	0.2292						
95	1.8746	0.8519	0.6009	0.2215						
100	1.9467	0.8498	0.5685	0.2130						
105	2.0034	0.8477	0.5356	0.2037						
110	2.0429	0.8458	0.5021	0.1937						
115	2.0633	0.8441	0.4682	0.1830						
120	2.0629	0.8425	0.4339	0.1717						
125	2.0402	0.8410	0.3992	0.1597						
130	1.9936	0.8396	0.3641	0.1471						
135	1.9218	0.8384	0.3287	0.1340						
140	1.8236	0.8373	0.2929	0.1204						
145	1.6980	0.8363	0.2569	0.1064						
150	1.5440	0.8355	0.2207	0.0919						
155	1.3609	0.8348	0.1842	0.0772						
160	1.1483	0.8342	0.1476	0.0621						
165	0.9059	0.8338	0.1108	0.0468						
170	0.6336	0.8335	0.0739	0.0313						
175	0.3315	0.8333	0.0370	0.0157						
180	0.	0.8332	0.	0.						

GAMMA = 0.6000 ALPHA = 14.000 K = 2.000

DC = 2.3876 XR = 1.0897 BR = 1.302588 TR = 58.45 CR = 1.0201 QR = 0.6282E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9261	1.0813	0.2357	0.9261	1.0813	0.2357			
5	1.0280	0.9199	1.0619	0.2397	0.9325	1.1000	0.2316	1.9386	1.9721	9.0712
10	1.0858	0.9141	1.0419	0.2435	0.9394	1.1180	0.2275	1.6690	1.7248	3.0926
15	1.1716	0.9086	1.0211	0.2469	0.9467	1.1355	0.2235	1.5333	1.6082	1.6227
20	1.2845	0.9033	0.9997	0.2499	0.9545	1.1524	0.2201	1.4450	1.5370	1.0205
25	1.4239	0.8983	0.9775	0.2525	0.9629	1.1688	0.2174	1.3802	1.4878	0.7124
30	1.5913	0.8936	0.9546	0.2545	0.9721	1.1849	0.2159	1.3290	1.4513	0.5347
35	1.7915	0.8890	0.9309	0.2560	0.9821	1.2007	0.2166	1.2862	1.4224	0.4254
40	2.0363	0.8847	0.9066	0.2568	0.9935	1.2165	0.2210	1.2487	1.3983	0.3577
45	2.3555	0.8806	0.8815	0.2569	1.0066	1.2326	0.2326	1.2142	1.3771	0.3204
50	2.8403	0.8766	0.8557	0.2563	1.0228	1.2498	0.2618	1.1803	1.3570	0.3157
55	3.9714	0.8729	0.8292	0.2550	1.0457	1.2705	0.3627	1.1424	1.3349	0.3928
60	1.1325	0.8693	0.8021	0.2529						
65	1.2626	0.8659	0.7742	0.2501						
70	1.3905	0.8627	0.7457	0.2464						
75	1.5144	0.8597	0.7166	0.2420						
80	1.6323	0.8568	0.6868	0.2368						
85	1.7423	0.8541	0.6564	0.2307						
90	1.8423	0.8515	0.6254	0.2239						
95	1.9304	0.8491	0.5939	0.2164						
100	2.0046	0.8469	0.5618	0.2080						
105	2.0629	0.8448	0.5293	0.1990						
110	2.1034	0.8428	0.4962	0.1892						
115	2.1243	0.8410	0.4627	0.1788						
120	2.1239	0.8393	0.4288	0.1677						
125	2.1004	0.8378	0.3945	0.1560						
130	2.0525	0.8364	0.3598	0.1437						
135	1.9785	0.8351	0.3248	0.1309						
140	1.8774	0.8340	0.2895	0.1176						
145	1.7480	0.8330	0.2539	0.1039						
150	1.5894	0.8321	0.2181	0.0898						
155	1.4010	0.8314	0.1820	0.0753						
160	1.1821	0.8308	0.1458	0.0606						
165	0.9326	0.8303	0.1095	0.0457						
170	0.6522	0.8300	0.0731	0.0305						
175	0.3412	0.8298	0.0365	0.0153						
180	0.	0.8297	0.	0.						

GAMMA=0.6000		ALPHA=14.000		K= 2.200	
DC= 2.4130		XR= 1.08761		BR= 1.28328	
TR=52.6399		CR= 0.91874		QR=51.48130	
THETA	ST	X1	B1	S1	
0	1.0000	0.9271	1.0712	0.2336	
5	1.0316	0.9206	1.0518	0.2370	
10	1.0949	0.9144	1.0318	0.2403	
15	1.1893	0.9085	1.0112	0.2433	
20	1.3147	0.9030	0.9898	0.2460	
25	1.4721	0.8977	0.9678	0.2483	
30	1.6668	0.8927	0.9450	0.2501	
35	1.9116	0.8879	0.9216	0.2514	
40	2.2405	0.8834	0.8974	0.2521	
45	2.7638	0.8791	0.8726	0.2521	
50	4.1808	0.8750	0.8470	0.2514	
55	1.0307	0.8711	0.8208	0.2501	
60	1.1646	0.8674	0.7938	0.2480	
65	1.2981	0.8638	0.7662	0.2451	
70	1.4293	0.8605	0.7380	0.2415	
75	1.5564	0.8574	0.7091	0.2371	
80	1.6774	0.8544	0.6797	0.2320	
85	1.7902	0.8516	0.6496	0.2261	
90	1.8928	0.8489	0.6189	0.2194	
95	1.9832	0.8464	0.5877	0.2119	
100	2.0592	0.8441	0.5560	0.2038	
105	2.1190	0.8419	0.5238	0.1949	
110	2.1605	0.8399	0.4910	0.1853	
115	2.1819	0.8380	0.4579	0.1751	
120	2.1814	0.8363	0.4243	0.1642	
125	2.1572	0.8347	0.3904	0.1527	
130	2.1078	0.8333	0.3560	0.1407	
135	2.0319	0.8320	0.3214	0.1282	
140	1.9280	0.8308	0.2864	0.1152	
145	1.7950	0.8298	0.2512	0.1017	
150	1.6322	0.8289	0.2158	0.0879	
155	1.4386	0.8281	0.1801	0.0738	
160	1.2139	0.8275	0.1443	0.0594	
165	0.9576	0.8271	0.1083	0.0447	
170	0.6697	0.8267	0.0723	0.0299	
175	0.3504	0.8265	0.0362	0.0150	
180	0.	0.8265	0.	0.	

GAMMA=0.6000		ALPHA=14.000		K= 3.000	
DC= 2.4958		XR= 1.08223		BR= 1.23004	
TR=37.8094		CR= 0.65990		QR=29.46036	
THETA	ST	X1	B1	S1	
0	1.0000	0.9304	1.0423	0.2329	
5	1.0469	0.9222	1.0226	0.2333	
10	1.1364	0.9146	1.0024	0.2342	
15	1.2749	0.9075	0.9818	0.2354	
20	1.4715	0.9009	0.9606	0.2366	
25	1.7545	0.8947	0.9388	0.2377	
30	2.2173	0.8888	0.9164	0.2385	
35	3.4364	0.8833	0.8933	0.2390	
40	0.7135	0.8781	0.8697	0.2390	
45	0.8497	0.8731	0.8454	0.2385	
50	0.9909	0.8685	0.8204	0.2375	
55	1.1353	0.8641	0.7948	0.2359	
60	1.2811	0.8599	0.7686	0.2336	
65	1.4265	0.8560	0.7418	0.2307	
70	1.5693	0.8522	0.7144	0.2271	
75	1.7076	0.8487	0.6863	0.2228	
80	1.8390	0.8454	0.6577	0.2178	
85	1.9616	0.8423	0.6285	0.2121	
90	2.0729	0.8394	0.5988	0.2057	
95	2.1709	0.8366	0.5686	0.1987	
100	2.2533	0.8341	0.5378	0.1909	
105	2.3179	0.8317	0.5066	0.1826	
110	2.3625	0.8295	0.4750	0.1735	
115	2.3853	0.8274	0.4429	0.1639	
120	2.3841	0.8255	0.4104	0.1537	
125	2.3572	0.8238	0.3775	0.1429	
130	2.3028	0.8222	0.3443	0.1317	
135	2.2194	0.8208	0.3108	0.1199	
140	2.1056	0.8196	0.2770	0.1077	
145	1.9602	0.8184	0.2429	0.0951	
150	1.7821	0.8175	0.2086	0.0822	
155	1.5707	0.8167	0.1742	0.0690	
160	1.3252	0.8160	0.1395	0.0555	
165	1.0454	0.8155	0.1048	0.0418	
170	0.7311	0.8151	0.0699	0.0280	
175	0.3825	0.8149	0.0350	0.0140	
180	0.	0.8148	0.	0.	

GAMMA=0.6000		ALPHA=14.000		K= 2.600	
DC= 2.4575		XR= 1.08449		BR= 1.25289	
TR=43.9805		CR= 0.76760		QR=37.57160	
THETA	ST	X1	B1	S1	
0	1.0000	0.9289	1.0549	0.2321	
5	1.0391	0.9216	1.0354	0.2341	
10	1.1146	0.9146	1.0154	0.2362	
15	1.2288	0.9081	0.9948	0.2384	
20	1.3848	0.9020	0.9736	0.2404	
25	1.5911	0.8962	0.9517	0.2421	
30	1.8713	0.8908	0.9292	0.2434	
35	2.2989	0.8856	0.9060	0.2443	
40	3.2274	0.8807	0.8821	0.2446	
45	0.8105	0.8761	0.8576	0.2444	
50	0.9460	0.8717	0.8324	0.2436	
55	1.0848	0.8675	0.8065	0.2421	
60	1.2249	0.8635	0.7800	0.2399	
65	1.3647	0.8598	0.7528	0.2370	
70	1.5021	0.8563	0.7250	0.2335	
75	1.6351	0.8529	0.6966	0.2291	
80	1.7616	0.8497	0.6676	0.2241	
85	1.8796	0.8468	0.6380	0.2183	
90	1.9868	0.8440	0.6079	0.2118	
95	2.0812	0.8413	0.5772	0.2046	
100	2.1606	0.8389	0.5460	0.1967	
105	2.2230	0.8366	0.5144	0.1881	
110	2.2662	0.8345	0.4822	0.1788	
115	2.2883	0.8325	0.4497	0.1689	
120	2.2875	0.8307	0.4167	0.1584	
125	2.2619	0.8290	0.3833	0.1473	
130	2.2100	0.8275	0.3496	0.1357	
135	2.1302	0.8261	0.3156	0.1236	
140	2.0211	0.8249	0.2813	0.1111	
145	1.8816	0.8238	0.2467	0.0981	
150	1.7108	0.8229	0.2119	0.0848	
155	1.5079	0.8221	0.1769	0.0711	
160	1.2723	0.8215	0.1417	0.0572	
165	1.0037	0.8210	0.1064	0.0431	
170	0.7019	0.8207	0.0710	0.0288	
175	0.3672	0.8204	0.0355	0.0144	
180	0.	0.8204	0.	0.	

GAMMA=0.6000		ALPHA=14.000		K= 4.000	
DC= 2.5731		XR= 1.07862		BR= 1.19183	
TR=28.0447		CR= 0.48947		QR=19.03943	
THETA	ST	X1	B1	S1	
0	1.0000	0.9329	1.0205	0.2411	
5	1.0678	0.9229	0.9999	0.2366	
10	1.2009	0.9137	0.9791	0.2341	
15	1.4254	0.9053	0.9581	0.2326	
20	1.8162	0.8976	0.9367	0.2318	
25	2.8264	0.8905	0.9149	0.2313	
30	0.5169	0.8838	0.8926	0.2309	
35	0.6498	0.8775	0.8697	0.2303	
40	0.7911	0.8717	0.8463	0.2295	
45	0.9393	0.8662	0.8224	0.2284	
50	1.0927	0.8610	0.7979	0.2268	
55	1.2493	0.8561	0.7728	0.2248	
60	1.4074	0.8515	0.7471	0.2222	
65	1.5647	0.8472	0.7209	0.2191	
70	1.7192	0.8432	0.6941	0.2154	
75	1.8686	0.8393	0.6667	0.2111	
80	2.0105	0.8357	0.6388	0.2062	
85	2.1427	0.8324	0.6104	0.2007	
90	2.2626	0.8292	0.5814	0.1945	
95	2.3680	0.8262	0.5520	0.1877	
100	2.4564	0.8235	0.5221	0.1803	
105	2.5255	0.8209	0.4917	0.1723	
110	2.5731	0.8185	0.4610	0.1637	
115	2.5968	0.8163	0.4298	0.1545	
120	2.5946	0.8143	0.3982	0.1449	
125	2.5644	0.8124	0.3663	0.1347	
130	2.5046	0.8107	0.3340	0.1240	
135	2.4133	0.8092	0.3015	0.1129	
140	2.2891	0.8079	0.2687	0.1014	
145	2.1306	0.8067	0.2356	0.0896	
150	1.9368	0.8057	0.2024	0.0774	
155	1.7067	0.8048	0.1689	0.0649	
160	1.4398	0.8041	0.1353	0.0522	
165	1.1357	0.8036	0.1016	0.0393	
170	0.7942	0.8032	0.0678	0.0263	
175	0.4155	0.8030	0.0339	0.0132	
180	0.	0.8029	0.	0.	

GAMMA=0.6000 ALPHA=14.000 K= 6.000

DC= 2.6843 XR= 1.07504 BR= 1.15217
TR=18.5358 CR= 0.32351 QR=11.1128

THETA	ST	X1	B1	S1
0	1.0000	0.9358	0.9969	0.2700
5	1.1177	0.9222	0.9738	0.2526
10	1.3920	0.9105	0.9514	0.2419
15	2.1153	0.9000	0.9293	0.2349
20	0.3434	0.8906	0.9072	0.2301
25	0.4726	0.8820	0.8850	0.2265
30	0.6136	0.8742	0.8625	0.2238
35	0.7650	0.8669	0.8397	0.2214
40	0.9251	0.8602	0.8165	0.2191
45	1.0924	0.8539	0.7928	0.2168
50	1.2649	0.8480	0.7687	0.2144
55	1.4407	0.8425	0.7441	0.2117
60	1.6177	0.8374	0.7191	0.2086
65	1.7935	0.8326	0.6935	0.2051
70	1.9659	0.8281	0.6675	0.2011
75	2.1322	0.8238	0.6409	0.1967
80	2.2900	0.8199	0.6139	0.1918
85	2.4367	0.8161	0.5864	0.1863
90	2.5695	0.8127	0.5585	0.1803
95	2.6859	0.8094	0.5301	0.1738
100	2.7831	0.8064	0.5012	0.1668
105	2.8587	0.8036	0.4720	0.1592
110	2.9099	0.8010	0.4424	0.1511
115	2.9345	0.7987	0.4124	0.1426
120	2.9300	0.7965	0.3820	0.1336
125	2.8942	0.7945	0.3514	0.1241
130	2.8252	0.7927	0.3204	0.1142
135	2.7209	0.7910	0.2891	0.1039
140	2.5798	0.7896	0.2577	0.0933
145	2.4004	0.7883	0.2259	0.0824
150	2.1813	0.7872	0.1940	0.0711
155	1.9218	0.7863	0.1620	0.0597
160	1.6209	0.7855	0.1297	0.0480
165	1.2783	0.7849	0.0974	0.0361
170	0.8939	0.7845	0.0650	0.0242
175	0.4676	0.7843	0.0325	0.0121
180	0.	0.7842	0.	0.

GAMMA=0.6000 ALPHA=14.000 K= 8.000

DC= 2.7657 XR= 1.07326 BR= 1.13176
TR=13.8544 CR= 0.24180 QR= 7.84023

THETA	ST	X1	B1	S1
0	1.0000	0.9374	0.9843	0.3055
5	1.1812	0.9206	0.9585	0.2718
10	1.7521	0.9066	0.9344	0.2523
15	0.2685	0.8945	0.9112	0.2398
20	0.3987	0.8839	0.8883	0.2313
25	0.5424	0.8743	0.8656	0.2252
30	0.6981	0.8656	0.8429	0.2205
35	0.8642	0.8576	0.8200	0.2166
40	1.0393	0.8502	0.7968	0.2132
45	1.2216	0.8434	0.7732	0.2100
50	1.4091	0.8371	0.7494	0.2068
55	1.5998	0.8312	0.7251	0.2035
60	1.7914	0.8257	0.7004	0.2000
65	1.9816	0.8206	0.6752	0.1962
70	2.1676	0.8158	0.6496	0.1921
75	2.3469	0.8113	0.6236	0.1875
80	2.5168	0.8071	0.5972	0.1825
85	2.6744	0.8032	0.5703	0.1771
90	2.8169	0.7996	0.5430	0.1712
95	2.9414	0.7962	0.5152	0.1648
100	3.0450	0.7930	0.4871	0.1580
105	3.1251	0.7901	0.4586	0.1507
110	3.1788	0.7874	0.4298	0.1430
115	3.2035	0.7849	0.4006	0.1348
120	3.1967	0.7826	0.3711	0.1262
125	3.1561	0.7805	0.3412	0.1172
130	3.0794	0.7786	0.3111	0.1078
135	2.9645	0.7769	0.2808	0.0981
140	2.8098	0.7754	0.2502	0.0880
145	2.6135	0.7740	0.2193	0.0777
150	2.3745	0.7729	0.1884	0.0671
155	2.0915	0.7719	0.1572	0.0562
160	1.7637	0.7711	0.1259	0.0452
165	1.3908	0.7705	0.0945	0.0341
170	0.9724	0.7701	0.0631	0.0228
175	0.5087	0.7698	0.0315	0.0114
180	0.	0.7697	0.	0.

GAMMA=0.6000 ALPHA=14.000 K=10.000

DC= 2.8307 XR= 1.07219 BR= 1.11931
TR=11.0639 CR= 0.19310 QR= 6.05703

THETA	ST	X1	B1	S1
0	1.0000	0.9385	0.9765	0.3438
5	1.2623	0.9186	0.9479	0.2909
10	2.8870	0.9027	0.9222	0.2624
15	0.3065	0.8892	0.8980	0.2448
20	0.4492	0.8776	0.8745	0.2331
25	0.6053	0.8672	0.8514	0.2248
30	0.7733	0.8579	0.8284	0.2184
35	0.9519	0.8494	0.8053	0.2134
40	1.1394	0.8416	0.7821	0.2091
45	1.3342	0.8344	0.7586	0.2051
50	1.5342	0.8278	0.7349	0.2014
55	1.7372	0.8216	0.7108	0.1977
60	1.9410	0.8159	0.6863	0.1938
65	2.1428	0.8105	0.6615	0.1898
70	2.3401	0.8055	0.6362	0.1855
75	2.5300	0.8009	0.6106	0.1808
80	2.7097	0.7965	0.5846	0.1758
85	2.8761	0.7925	0.5581	0.1703
90	3.0263	0.7887	0.5313	0.1645
95	3.1573	0.7852	0.5041	0.1583
100	3.2660	0.7819	0.4765	0.1516
105	3.3495	0.7789	0.4485	0.1445
110	3.4050	0.7761	0.4203	0.1370
115	3.4295	0.7735	0.3917	0.1291
120	3.4206	0.7711	0.3628	0.1208
125	3.3756	0.7690	0.3336	0.1121
130	3.2923	0.7670	0.3041	0.1031
135	3.1684	0.7653	0.2744	0.0938
140	3.0021	0.7637	0.2445	0.0841
145	2.7917	0.7624	0.2144	0.0742
150	2.5358	0.7612	0.1841	0.0641
155	2.2331	0.7602	0.1536	0.0537
160	1.8829	0.7594	0.1230	0.0432
165	1.4846	0.7588	0.0924	0.0325
170	1.0379	0.7583	0.0616	0.0217
175	0.5429	0.7580	0.0308	0.0109
180	0.	0.7580	0.	0.

GAMMA=0.6000 ALPHA=14.000 K=20.000

DC= 3.0465 XR= 1.07007 BR= 1.09395
TR= 4.5159 CR= 0.07882 QR= 2.83490

THETA	ST	X1	B1	S1
0	1.0000	0.9405	0.9601	0.5464
5	0.1260	0.9076	0.9191	0.3698
10	0.2889	0.8849	0.8872	0.2998
15	0.4648	0.8672	0.8593	0.2626
20	0.6530	0.8525	0.8335	0.2396
25	0.8533	0.8399	0.8089	0.2240
30	1.0652	0.8288	0.7850	0.2128
35	1.2877	0.8189	0.7615	0.2041
40	1.5191	0.8099	0.7381	0.1971
45	1.7577	0.8018	0.7148	0.1911
50	2.0011	0.7943	0.6915	0.1858
55	2.2469	0.7874	0.6679	0.1808
60	2.4924	0.7811	0.6442	0.1760
65	2.7344	0.7752	0.6202	0.1713
70	2.9700	0.7697	0.5960	0.1664
75	3.1958	0.7646	0.5715	0.1615
80	3.4084	0.7599	0.5467	0.1563
85	3.6042	0.7555	0.5216	0.1509
90	3.7799	0.7514	0.4962	0.1453
95	3.9317	0.7476	0.4705	0.1394
100	4.0563	0.7441	0.4445	0.1331
105	4.1501	0.7408	0.4182	0.1266
110	4.2098	0.7378	0.3917	0.1198
115	4.2320	0.7351	0.3648	0.1126
120	4.2137	0.7326	0.3378	0.1052
125	4.1519	0.7303	0.3105	0.0975
130	4.0439	0.7282	0.2830	0.0895
135	3.8871	0.7263	0.2553	0.0813
140	3.6792	0.7247	0.2274	0.0729
145	3.4182	0.7232	0.1993	0.0643
150	3.1024	0.7220	0.1711	0.0554
155	2.7304	0.7209	0.1428	0.0464
160	2.3010	0.7201	0.1144	0.0373
165	1.8135	0.7194	0.0858	0.0281
170	1.2675	0.7189	0.0573	0.0188
175	0.6629	0.7187	0.0286	0.0094
180	0.	0.7186	0.	0.

GAMMA = 0.6000

ALPHA = 15.000

K = 0.200

DC = 1.7507

XD = 1.6052

BD = 2.143888

W2 = -0.3739E 01

THETA	SF	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.19026	1.5134	0.4957	0.9026	1.5134	0.5218			
5	0.9956	0.19015	1.4843	0.5015	0.9037	1.5415	0.5152	3.2679	3.3261	27.6823
10	1.0172	0.19804	1.4544	0.5064	0.9048	1.5687	0.5080	2.7816	2.8783	9.3523
15	1.0559	0.18994	1.4236	0.5104	0.9059	1.5961	0.5001	2.5375	2.6668	4.8475
20	1.1085	0.18983	1.3918	0.5133	0.9070	1.6205	0.4917	2.3812	2.5393	2.9892
25	1.1725	0.18972	1.3592	0.5162	0.9081	1.6451	0.4829	2.2691	2.4533	2.0250
30	1.2462	0.18962	1.3257	0.5160	0.9092	1.6688	0.4736	2.1834	2.3914	1.4548
35	1.3281	0.18952	1.2913	0.5156	0.9103	1.6917	0.4640	2.1151	2.3450	1.0876
40	1.4167	0.18942	1.2560	0.5140	0.9114	1.7137	0.4542	2.0590	2.3093	0.8366
45	1.5107	0.18932	1.2199	0.5112	0.9125	1.7349	0.4441	2.0119	2.2810	0.6576
50	1.6087	0.18922	1.1829	0.5072	0.9136	1.7553	0.4338	1.9718	2.2584	0.5254
55	1.7094	0.18913	1.1450	0.5019	0.9146	1.7748	0.4235	1.9370	2.2401	0.4253
60	1.8116	0.18903	1.1064	0.4952	0.9156	1.7936	0.4131	1.9067	2.2250	0.3480
65	1.9140	0.18894	1.0669	0.4873	0.9167	1.8116	0.4027	1.8800	2.2126	0.2871
70	2.0154	0.18886	1.0267	0.4780	0.9177	1.8289	0.3924	1.8563	2.2022	0.2386
75	2.1144	0.18877	0.9858	0.4674	0.9187	1.8454	0.3822	1.8351	2.1936	0.1995
80	2.2100	0.18869	0.9439	0.4555	0.9196	1.8612	0.3722	1.8161	2.1863	0.1677
85	2.3009	0.18862	0.9014	0.4423	0.9206	1.8763	0.3624	1.7990	2.1802	0.1415
90	2.3860	0.18854	0.8583	0.4278	0.9215	1.8907	0.3529	1.7836	2.1750	0.1199
95	2.4642	0.18847	0.8144	0.4120	0.9224	1.9045	0.3437	1.7696	2.1705	0.1020
100	2.5344	0.18840	0.7700	0.3950	0.9233	1.9176	0.3348	1.7568	2.1668	0.0870
105	2.5957	0.18834	0.7249	0.3768	0.9242	1.9301	0.3263	1.7451	2.1636	0.0744
110	2.6471	0.18828	0.6793	0.3574	0.9250	1.9421	0.3182	1.7345	2.1608	0.0639
115	2.6879	0.18822	0.6331	0.3369	0.9258	1.9534	0.3105	1.7248	2.1585	0.0550
120	2.7172	0.18817	0.5864	0.3154	0.9266	1.9642	0.3033	1.7158	2.1565	0.0475
125	2.7345	0.18812	0.5392	0.2928	0.9274	1.9745	0.2966	1.7076	2.1547	0.0412
130	2.7392	0.18808	0.4916	0.2693	0.9281	1.9842	0.2904	1.7001	2.1532	0.0359
135	2.7308	0.18804	0.4436	0.2450	0.9288	1.9935	0.2847	1.6931	2.1520	0.0314
140	2.7091	0.18800	0.3953	0.2198	0.9295	2.0022	0.2796	1.6867	2.1509	0.0277
145	2.6739	0.18797	0.3466	0.1940	0.9302	2.0106	0.2751	1.6808	2.1499	0.0245
150	2.6252	0.18794	0.2976	0.1675	0.9308	2.0184	0.2711	1.6753	2.1491	0.0220
155	2.5629	0.18791	0.2484	0.1404	0.9314	2.0259	0.2677	1.6703	2.1484	0.0199
160	2.4875	0.18789	0.1989	0.1129	0.9320	2.0330	0.2649	1.6656	2.1478	0.0183
165	2.3992	0.18788	0.1494	0.0850	0.9325	2.0396	0.2628	1.6613	2.1472	0.0171
170	2.2988	0.18787	0.0996	0.0568	0.9331	2.0460	0.2612	1.6573	2.1468	0.0162
175	2.1869	0.18786	0.0498	0.0285	0.9336	2.0519	0.2603	1.6536	2.1464	0.0157
180	2.0644	0.18786	0.	0.	0.9341	2.0576	0.2600	1.6502	2.1460	0.0155

GAMMA = 0.6000

ALPHA = 15.000

K = 0.400

DC = 1.9990

XD = 1.3864

BD = 1.843314

W2 = -0.4678E 01

THETA	SF	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.19094	1.3461	0.3754	0.9094	1.3461	0.3922			
5	1.0002	0.19076	1.3214	0.3816	0.9112	1.3700	0.3855	2.17755	2.8246	19.6201
10	1.0266	0.19058	1.2957	0.3871	0.9130	1.3931	0.3780	2.1697	2.8513	6.6329
15	1.0707	0.19041	1.2692	0.3917	0.9149	1.4153	0.3703	2.1661	2.2752	3.4379
20	1.1291	0.19024	1.2418	0.3956	0.9168	1.4368	0.3622	2.16359	2.1695	2.1190
25	1.1994	0.19007	1.2136	0.3986	0.9186	1.4572	0.3537	1.9426	2.0981	1.4344
30	1.2799	0.18990	1.1845	0.4007	0.9205	1.4769	0.3449	1.8712	2.0469	1.0295
35	1.3690	0.18974	1.1546	0.4019	0.9224	1.4958	0.3360	1.8144	2.0086	0.7688
40	1.4650	0.18958	1.1238	0.4020	0.9242	1.5139	0.3268	1.7677	1.9791	0.5908
45	1.5664	0.18942	1.0921	0.4012	0.9261	1.5313	0.3176	1.7286	1.9559	0.4638
50	1.6720	0.18927	1.0597	0.3992	0.9280	1.5479	0.3083	1.6952	1.9373	0.3702
55	1.7802	0.18913	1.0264	0.3962	0.9298	1.5638	0.2990	1.6663	1.9222	0.2994
60	1.8896	0.18898	0.9923	0.3920	0.9317	1.5789	0.2898	1.6411	1.9099	0.2447
65	1.9987	0.18885	0.9574	0.3868	0.9335	1.5934	0.2806	1.6189	1.8997	0.2018
70	2.1062	0.18871	0.9218	0.3804	0.9353	1.6071	0.2716	1.5992	1.8913	0.1676
75	2.2107	0.18859	0.8854	0.3728	0.9371	1.6203	0.2628	1.5816	1.8842	0.1401
80	2.3109	0.18846	0.8483	0.3641	0.9389	1.6327	0.2542	1.5658	1.8782	0.1177
85	2.4052	0.18835	0.8105	0.3543	0.9406	1.6446	0.2458	1.5515	1.8732	0.0993
90	2.4924	0.18823	0.7720	0.3433	0.9424	1.6559	0.2377	1.5386	1.8690	0.0842
95	2.5714	0.18813	0.7329	0.3312	0.9441	1.6666	0.2300	1.5269	1.8654	0.0716
100	2.6408	0.18803	0.6932	0.3181	0.9457	1.6767	0.2226	1.5163	1.8623	0.0612
105	2.6995	0.18793	0.6528	0.3039	0.9474	1.6863	0.2155	1.5065	1.8597	0.0524
110	2.7465	0.18784	0.6119	0.2887	0.9490	1.6954	0.2088	1.4976	1.8574	0.0450
115	2.7808	0.18776	0.5705	0.2725	0.9505	1.7040	0.2026	1.4894	1.8555	0.0388
120	2.8014	0.18768	0.5286	0.2554	0.9521	1.7122	0.1967	1.4819	1.8538	0.0336
125	2.8075	0.18761	0.4862	0.2374	0.9536	1.7199	0.1913	1.4750	1.8524	0.0292
130	2.7987	0.18754	0.4434	0.2185	0.9550	1.7272	0.1863	1.4687	1.8512	0.0255
135	2.7742	0.18748	0.4002	0.1990	0.9564	1.7341	0.1817	1.4628	1.8501	0.0224
140	2.7337	0.18743	0.3566	0.1787	0.9578	1.7406	0.1777	1.4574	1.8492	0.0197
145	2.6770	0.18738	0.3127	0.1578	0.9591	1.7468	0.1741	1.4524	1.8484	0.0176
150	2.6038	0.18734	0.2686	0.1363	0.9604	1.7526	0.1709	1.4477	1.8477	0.0158
155	2.5144	0.18730	0.2242	0.1143	0.9617	1.7580	0.1683	1.4434	1.8472	0.0143
160	2.4090	0.18727	0.1796	0.0920	0.9629	1.7632	0.1661	1.4395	1.8467	0.0132
165	2.2879	0.18725	0.1348	0.0693	0.9641	1.7680	0.1644	1.4358	1.8462	0.0124
170	2.1518	0.18723	0.0900	0.0463	0.9652	1.7726	0.1632	1.4324	1.8458	0.0118
175	2.0017	0.18723	0.0450	0.0232	0.9663	1.7769	0.1624	1.4292	1.8455	0.0114
180	1.8385	0.18722	0.	0.	0.9674	1.7810	0.1622	1.4262	1.8452	0.0113

GAMMA = 0.6000

ALPHA = 15.000

K = 0.600

DC = 2.0481

XB = 1.2513

BQ = 1.686379

M2 = -0.3963E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9141	1.2636	0.3216	0.9141	1.2636	0.3340			
5	1.0041	0.9117	1.2409	0.3280	0.9166	1.2853	0.3272	2.5261	2.5705	16.0562
10	1.0343	0.9093	1.2174	0.3337	0.9191	1.3063	0.3198	2.1611	2.2350	5.4324
15	1.0825	0.9070	1.1931	0.3387	0.9216	1.3264	0.3120	1.9780	2.0769	2.8165
20	1.1455	0.9047	1.1679	0.3430	0.9241	1.3467	0.3039	1.8610	1.9820	1.7361
25	1.2208	0.9025	1.1418	0.3465	0.9267	1.3662	0.2955	1.7770	1.9181	1.1752
30	1.3066	0.9003	1.1149	0.3492	0.9293	1.3819	0.2869	1.7129	1.8722	0.8436
35	1.4013	0.8982	1.0872	0.3510	0.9320	1.3988	0.2781	1.6617	1.8379	0.6302
40	1.5032	0.8962	1.0586	0.3519	0.9346	1.4149	0.2691	1.6197	1.8115	0.4846
45	1.6107	0.8942	1.0292	0.3518	0.9373	1.4303	0.2601	1.5844	1.7906	0.3809
50	1.7222	0.8922	0.9989	0.3508	0.9400	1.4449	0.2511	1.5543	1.7740	0.3045
55	1.8361	0.8903	0.9679	0.3487	0.9427	1.4588	0.2421	1.5282	1.7604	0.2468
60	1.9510	0.8885	0.9360	0.3457	0.9454	1.4721	0.2332	1.5053	1.7493	0.2022
65	2.0651	0.8868	0.9034	0.3415	0.9480	1.4848	0.2244	1.4852	1.7401	0.1673
70	2.1771	0.8851	0.8701	0.3364	0.9507	1.4966	0.2158	1.4672	1.7325	0.1395
75	2.2852	0.8835	0.8360	0.3301	0.9534	1.5078	0.2074	1.4511	1.7260	0.1171
80	2.3880	0.8819	0.8011	0.3228	0.9561	1.5185	0.1992	1.4366	1.7206	0.0990
85	2.4840	0.8805	0.7656	0.3145	0.9588	1.5286	0.1913	1.4235	1.7160	0.0841
90	2.5718	0.8790	0.7295	0.3051	0.9614	1.5381	0.1836	1.4115	1.7121	0.0717
95	2.6499	0.8777	0.6926	0.2947	0.9641	1.5471	0.1763	1.4007	1.7087	0.0615
100	2.7170	0.8764	0.6552	0.2832	0.9667	1.5556	0.1694	1.3907	1.7059	0.0530
105	2.7720	0.8753	0.6172	0.2708	0.9693	1.5636	0.1628	1.3815	1.7034	0.0458
110	2.8136	0.8741	0.5786	0.2575	0.9718	1.5711	0.1565	1.3731	1.7012	0.0398
115	2.8407	0.8731	0.5396	0.2432	0.9744	1.5782	0.1507	1.3653	1.6994	0.0347
120	2.8523	0.8721	0.5000	0.2281	0.9769	1.5849	0.1453	1.3582	1.6978	0.0304
125	2.8475	0.8712	0.4600	0.2121	0.9794	1.5911	0.1402	1.3515	1.6964	0.0268
130	2.8258	0.8704	0.4195	0.1954	0.9818	1.5970	0.1356	1.3453	1.6952	0.0237
135	2.7865	0.8697	0.3787	0.1780	0.9842	1.6025	0.1314	1.3396	1.6941	0.0211
140	2.7292	0.8690	0.3375	0.1599	0.9865	1.6077	0.1277	1.3342	1.6932	0.0190
145	2.6536	0.8684	0.2960	0.1412	0.9889	1.6126	0.1244	1.3293	1.6924	0.0172
150	2.5597	0.8679	0.2542	0.1221	0.9911	1.6171	0.1215	1.3246	1.6917	0.0157
155	2.4473	0.8675	0.2122	0.1024	0.9934	1.6214	0.1191	1.3203	1.6911	0.0145
160	2.3270	0.8672	0.1700	0.0824	0.9956	1.6254	0.1171	1.3162	1.6905	0.0135
165	2.1891	0.8669	0.1276	0.0621	0.9977	1.6292	0.1156	1.3124	1.6900	0.0128
170	2.0044	0.8667	0.0852	0.0415	0.9998	1.6327	0.1145	1.3089	1.6896	0.0123
175	1.8237	0.8668	0.0426	0.0208	1.0019	1.6360	0.1138	1.3055	1.6893	0.0120
180	1.6285	0.8665	0.	0.	1.0039	1.6390	0.1136	1.3024	1.6889	0.0119

GAMMA = 0.6000

ALPHA = 15.000

K = 0.800

DC = 2.1243

XB = 1.1284

BR = 1.572215

TR = 124.47

CR = 5.1108

QR = 0.1257E 05

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9177	1.2117	0.2903	0.9177	1.2117	0.2903			
5	1.0071	0.9147	1.1904	0.2967	0.9207	1.2322	0.2834	2.3644	2.4058	13.9349
10	1.0395	0.9118	1.1682	0.3025	0.9238	1.2519	0.2760	2.0259	2.0948	4.7184
15	1.0899	0.9090	1.1452	0.3076	0.9270	1.2707	0.2683	1.8561	1.9484	2.4473
20	1.1552	0.9062	1.1213	0.3121	0.9302	1.2887	0.2601	1.7475	1.8604	1.5091
25	1.2332	0.9035	1.0966	0.3158	0.9335	1.3059	0.2517	1.6695	1.8012	1.0223
30	1.3219	0.9009	1.0711	0.3188	0.9369	1.3223	0.2430	1.6099	1.7587	0.7346
35	1.4195	0.8984	1.0447	0.3209	0.9403	1.3380	0.2341	1.5623	1.7268	0.5497
40	1.5244	0.8959	1.0174	0.3222	0.9437	1.3529	0.2252	1.5232	1.7023	0.4236
45	1.6347	0.8935	0.9894	0.3226	0.9472	1.3670	0.2161	1.4902	1.6829	0.3340
50	1.7486	0.8912	0.9605	0.3220	0.9507	1.3805	0.2070	1.4619	1.6673	0.2680
55	1.8645	0.8890	0.9309	0.3205	0.9543	1.3932	0.1979	1.4373	1.6545	0.2182
60	1.9805	0.8869	0.9005	0.3180	0.9579	1.4059	0.1888	1.4157	1.6441	0.1798
65	2.0949	0.8848	0.8692	0.3146	0.9616	1.4187	0.1799	1.3965	1.6353	0.1498
70	2.2059	0.8828	0.8373	0.3101	0.9653	1.4274	0.1710	1.3793	1.6280	0.1258
75	2.3117	0.8809	0.8046	0.3046	0.9690	1.4376	0.1624	1.3638	1.6218	0.1065
80	2.4106	0.8791	0.7712	0.2981	0.9728	1.4472	0.1539	1.3498	1.6164	0.0909
85	2.5009	0.8774	0.7372	0.2906	0.9766	1.4562	0.1457	1.3369	1.6119	0.0780
90	2.5809	0.8758	0.7024	0.2821	0.9804	1.4646	0.1377	1.3251	1.6080	0.0673
95	2.6489	0.8742	0.6671	0.2726	0.9842	1.4723	0.1299	1.3143	1.6046	0.0585
100	2.7035	0.8728	0.6311	0.2622	0.9881	1.4800	0.1224	1.3042	1.6016	0.0510
105	2.7430	0.8714	0.5946	0.2509	0.9920	1.4870	0.1152	1.2948	1.5990	0.0447
110	2.7660	0.8701	0.5575	0.2386	0.9959	1.4936	0.1083	1.2861	1.5967	0.0394
115	2.7711	0.8689	0.5199	0.2255	0.9998	1.4997	0.1017	1.2780	1.5946	0.0349
120	2.7572	0.8678	0.4818	0.2115	1.0037	1.5054	0.0954	1.2703	1.5928	0.0310
125	2.7229	0.8668	0.4433	0.1968	1.0077	1.5108	0.0894	1.2630	1.5912	0.0277
130	3.1492	0.8659	0.4043	0.1814	1.0117	1.5158	0.1171	1.2562	1.5898	0.0439
135	3.0088	0.8650	0.3650	0.1652	1.0157	1.5204	0.1077	1.2497	1.5885	0.0362
140	2.9017	0.8643	0.3253	0.1485	1.0197	1.5248	0.1018	1.2435	1.5873	0.0320
145	2.7920	0.8636	0.2853	0.1312	1.0237	1.5288	0.0974	1.2376	1.5863	0.0291
150	2.6703	0.8630	0.2451	0.1134	1.0278	1.5326	0.0939	1.2320	1.5853	0.0269
155	2.5334	0.8625	0.2046	0.0952	1.0319	1.5361	0.0911	1.2265	1.5844	0.0253
160	2.3800	0.8621	0.1639	0.0766	1.0360	1.5394	0.0888	1.2213	1.5836	0.0241
165	2.2098	0.8618	0.1231	0.0577	1.0402	1.5424	0.0871	1.2162	1.5828	0.0232
170	2.0232	0.8616	0.0821	0.0386	1.0444	1.5453	0.0859	1.2113	1.5821	0.0226
175	1.8211	0.8614	0.0411	0.0193	1.0486	1.5479	0.0852	1.2064	1.5815	0.0222
180	1.6047	0.8614	0.	0.	1.0529	1.5504	0.0850	1.2017	1.5808	0.0221

GAMMA = 0.5000

ALPHA = 15.000

K = 1.000

DC = 2.1027	MR = 1.1106	BR = 1.488993	TR = 147.12	ER = 2.5677	QR = 0.1054E 04					
THETA	S0	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9205	1.1754	0.2699	0.9205	1.1754	0.2699			
5	1.0106	0.9270	1.1549	0.2762	0.9241	1.1950	0.2631	2.2470	2.2863	12.4894
10	1.0466	0.9236	1.1336	0.2820	0.9278	1.2198	0.2559	1.9275	1.9928	4.2323
15	1.1012	0.9209	1.1115	0.2872	0.9316	1.2318	0.2489	1.7674	1.8549	2.1966
20	1.1715	0.9071	1.0985	0.2917	0.9355	1.2490	0.2404	1.6662	1.7720	1.3558
25	1.2554	0.9040	1.0647	0.2955	0.9395	1.2654	0.2322	1.5913	1.7162	0.9198
30	1.3508	0.9010	1.0401	0.2986	0.9436	1.2810	0.2238	1.5348	1.6760	0.6625
35	1.4561	0.8981	1.0146	0.3009	0.9477	1.2959	0.2153	1.4897	1.6458	0.4974
40	1.5692	0.8958	0.9883	0.3023	0.9520	1.3100	0.2066	1.4523	1.6224	0.3851
45	1.6884	0.8926	0.9612	0.3029	0.9564	1.3234	0.1979	1.4208	1.6039	0.3053
50	1.8119	0.8900	0.9333	0.3027	0.9609	1.3361	0.1893	1.3936	1.5888	0.2467
55	1.9379	0.8874	0.9046	0.3015	0.9655	1.3481	0.1806	1.3698	1.5765	0.2027
60	2.0645	0.8850	0.8752	0.2993	0.9701	1.3595	0.1721	1.3487	1.5662	0.1688
65	2.1899	0.8827	0.8449	0.2963	0.9749	1.3702	0.1637	1.3298	1.5576	0.1423
70	2.3124	0.8805	0.8140	0.2922	0.9799	1.3804	0.1555	1.3127	1.5502	0.1214
75	2.4304	0.8784	0.7823	0.2872	0.9849	1.3899	0.1475	1.2971	1.5438	0.1046
80	2.5421	0.8763	0.7499	0.2812	0.9900	1.3989	0.1398	1.2827	1.5383	0.0910
85	2.6461	0.8744	0.7169	0.2743	0.9953	1.4074	0.1324	1.2694	1.5335	0.0800
90	2.7410	0.8726	0.6831	0.2664	1.0008	1.4153	0.1253	1.2569	1.5292	0.0711
95	2.8256	0.8709	0.6488	0.2575	1.0064	1.4228	0.1185	1.2452	1.5253	0.0638
100	2.8998	0.8693	0.6139	0.2478	1.0122	1.4299	0.1122	1.2340	1.5218	0.0578
105	2.9603	0.8677	0.5784	0.2371	1.0183	1.4365	0.1063	1.2234	1.5187	0.0531
110	3.0098	0.8663	0.5423	0.2256	1.0246	1.4428	0.1010	1.2130	1.5157	0.0494
115	3.0483	0.8650	0.5058	0.2132	1.0312	1.4488	0.0962	1.2029	1.5130	0.0468
120	3.0782	0.8638	0.4688	0.2001	1.0382	1.4544	0.0922	1.1929	1.5103	0.0452
125	3.1052	0.8626	0.4313	0.1862	1.0457	1.4599	0.0893	1.1828	1.5077	0.0448
130	3.1419	0.8616	0.3934	0.1716	1.0540	1.4651	0.0879	1.1723	1.5051	0.0460
135	3.2193	0.8607	0.3552	0.1564	1.0633	1.4704	0.0893	1.1611	1.5023	0.0501
140	3.4421	0.8598	0.3166	0.1406	1.0747	1.4759	0.0977	1.1482	1.4991	0.0612
145	4.6000	0.8591	0.2777	0.1242	1.0912	1.4826	0.1451	1.1304	1.4946	0.1104
150	1.3685	0.8585	0.2385	0.1074						
155	1.2065	0.8579	0.1991	0.0901						
160	1.0182	0.8575	0.1595	0.0725						
165	0.8034	0.8572	0.1198	0.0546						
170	0.5619	0.8569	0.0799	0.0365						
175	0.2940	0.8568	0.0400	0.0183						
180	0.	0.8567	0.	0.						

GAMMA = 0.6000

ALPHA = 15.000

K = 1.200

DC = 2.2299	XR = 1.1013	BR = 1.429134	TR = 111.73	CR = 1.9501	QR = 0.3745E 03					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9228	1.1482	0.2559	0.9228	1.1482	0.2559			
5	1.0142	0.9189	1.1283	0.2621	0.9270	1.1672	0.2493	2.1561	2.1937	11.4235
10	1.0538	0.9150	1.1076	0.2677	0.9312	1.1855	0.2424	1.8514	1.9139	3.8744
15	1.1129	0.9113	1.0861	0.2728	0.9356	1.2029	0.2351	1.6988	1.7826	2.0124
20	1.1889	0.9076	1.0638	0.2772	0.9402	1.2196	0.2275	1.6008	1.7034	1.2442
25	1.2796	0.9042	1.0406	0.2810	0.9449	1.2355	0.2197	1.5304	1.6500	0.8462
30	1.3832	0.9008	1.0167	0.2841	0.9497	1.2506	0.2117	1.4762	1.6115	0.6117
35	1.4978	0.8976	0.9919	0.2865	0.9547	1.2650	0.2037	1.4327	1.5825	0.4616
40	1.6216	0.8944	0.9663	0.2883	0.9599	1.2787	0.1956	1.3966	1.5598	0.3597
45	1.7528	0.8914	0.9399	0.2887	0.9652	1.2917	0.1876	1.3658	1.5417	0.2877
50	1.8899	0.8885	0.9126	0.2886	0.9708	1.3041	0.1797	1.3391	1.5269	0.2350
55	2.0312	0.8858	0.8847	0.2876	0.9765	1.3158	0.1719	1.3155	1.5146	0.1957
60	2.1754	0.8831	0.8559	0.2857	0.9825	1.3269	0.1644	1.2943	1.5042	0.1658
65	2.3214	0.8806	0.8264	0.2828	0.9888	1.3374	0.1573	1.2761	1.4953	0.1427
70	2.4683	0.8781	0.7962	0.2791	0.9953	1.3474	0.1505	1.2594	1.4875	0.1249
75	2.6162	0.8758	0.7653	0.2744	1.0022	1.3569	0.1444	1.2408	1.4805	0.1112
80	2.7659	0.8736	0.7336	0.2687	1.0095	1.3660	0.1389	1.2252	1.4743	0.1009
85	2.9202	0.8715	0.7013	0.2622	1.0173	1.3747	0.1345	1.2101	1.4685	0.0936
90	3.0858	0.8696	0.6684	0.2547	1.0258	1.3831	0.1315	1.1954	1.4631	0.0893
95	3.2779	0.8677	0.6348	0.2463	1.0353	1.3914	0.1309	1.1805	1.4578	0.0885
100	3.5358	0.8659	0.6007	0.2370	1.0461	1.3996	0.1350	1.1650	1.4524	0.0932
105	3.9962	0.8643	0.5660	0.2269	1.0595	1.4084	0.1512	1.1476	1.4463	0.1106
110	5.8475	0.8627	0.5307	0.2159	1.0801	1.4196	0.2456	1.1235	1.4378	0.2054
115	1.9132	0.8613	0.4950	0.2041						
120	1.9140	0.8600	0.4587	0.1916						
125	1.8939	0.8588	0.4221	0.1783						
130	1.8516	0.8577	0.3850	0.1644						
135	1.7857	0.8567	0.3476	0.1498						
140	1.6951	0.8558	0.3098	0.1346						
145	1.5789	0.8550	0.2718	0.1190						
150	1.4361	0.8543	0.2334	0.1029						
155	1.2662	0.8537	0.1949	0.0863						
160	1.0686	0.8532	0.1561	0.0695						
165	0.8432	0.8529	0.1172	0.0523						
170	0.5898	0.8526	0.0782	0.0350						
175	0.3086	0.8525	0.0391	0.0175						
180	0.	0.8524	0.	0.						

GAMMA = 0.6000

ALPHA = 15.000

K = 1.400

DC = 2.2694 XR = 1.0953 BR = 1.384129 TR = 91.19 CR = 1.5916 QR = 0.2020E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9248	1.1270	0.2460	0.9248	1.1270	0.2460			
5	1.0176	0.9203	1.1075	0.2519	0.9294	1.1456	0.2398	2.0826	2.1188	10.5958
10	1.0611	0.9160	1.0873	0.2573	0.9342	1.1635	0.2331	1.7897	1.8500	3.5969
15	1.1252	0.9119	1.0662	0.2622	0.9392	1.1806	0.2262	1.6431	1.7239	1.8709
20	1.2077	0.9079	1.0443	0.2666	0.9444	1.1969	0.2192	1.5488	1.6477	1.1590
25	1.3065	0.9041	1.0216	0.2703	0.9498	1.2126	0.2119	1.4808	1.5962	0.7910
30	1.4200	0.9004	0.9982	0.2733	0.9555	1.2275	0.2047	1.4283	1.5589	0.5747
35	1.5465	0.8968	0.9739	0.2756	0.9614	1.2417	0.1974	1.3859	1.5306	0.4367
40	1.6844	0.8934	0.9488	0.2772	0.9675	1.2552	0.1904	1.3505	1.5084	0.3436
45	1.8327	0.8902	0.9229	0.2779	0.9740	1.2682	0.1835	1.3200	1.4904	0.2781
50	1.9906	0.8870	0.8962	0.2779	0.9808	1.2805	0.1770	1.2933	1.4755	0.2309
55	2.1580	0.8840	0.8688	0.2769	0.9881	1.2923	0.1711	1.2693	1.4628	0.1964
60	2.3360	0.8812	0.8406	0.2752	0.9958	1.3036	0.1660	1.2474	1.4519	0.1711
65	2.5277	0.8784	0.8116	0.2725	1.0041	1.3146	0.1621	1.2269	1.4421	0.1529
70	2.7409	0.8758	0.7820	0.2689	1.0133	1.3252	0.1601	1.2074	1.4332	0.1411
75	2.9929	0.8733	0.7516	0.2645	1.0235	1.3357	0.1612	1.1883	1.4248	0.1356
80	3.3306	0.8710	0.7206	0.2591	1.0354	1.3464	0.1688	1.1686	1.4164	0.1391
85	3.9223	0.8687	0.6889	0.2528	1.0505	1.3580	0.1946	1.1470	1.4073	0.1623
90	6.6653	0.8666	0.6566	0.2456	1.0754	1.3737	0.3709	1.1165	1.3941	0.3344
95	1.8057	0.8646	0.6236	0.2375						
100	1.8769	0.8628	0.5901	0.2286						
105	1.9332	0.8610	0.5560	0.2189						
110	1.9728	0.8594	0.5214	0.2083						
115	1.9939	0.8578	0.4863	0.1970						
120	1.9949	0.8564	0.4507	0.1849						
125	1.9742	0.8552	0.4147	0.1721						
130	1.9302	0.8540	0.3783	0.1586						
135	1.8616	0.8529	0.3415	0.1446						
140	1.7673	0.8520	0.3044	0.1300						
145	1.6462	0.8511	0.2670	0.1148						
150	1.4974	0.8504	0.2294	0.0993						
155	1.3203	0.8498	0.1915	0.0833						
160	1.1143	0.8493	0.1534	0.0671						
165	0.8792	0.8489	0.1152	0.0505						
170	0.6150	0.8486	0.0769	0.0338						
175	0.3218	0.8485	0.0384	0.0169						
180	0.	0.8484	0.	0.						

GAMMA = 0.6000

ALPHA = 15.000

K = 1.600

DC = 2.3035 XR = 1.0910 BR = 1.349066 TR = 77.44 CR = 1.3516 QR = 0.1320E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9264	1.1099	0.2390	0.9264	1.1099	0.2390			
5	1.0212	0.9215	1.0907	0.2445	0.9315	1.1283	0.2331	2.0211	2.0561	9.9297
10	1.0686	0.9168	1.0708	0.2496	0.9369	1.1459	0.2269	1.7383	1.7967	3.3741
15	1.1383	0.9123	1.0500	0.2543	0.9425	1.1629	0.2206	1.5966	1.6748	1.7578
20	1.2283	0.9079	1.0285	0.2584	0.9484	1.1791	0.2142	1.5052	1.6011	1.0921
25	1.3368	0.9038	1.0062	0.2620	0.9545	1.1946	0.2078	1.4391	1.5510	0.7487
30	1.4624	0.8998	0.9830	0.2649	0.9610	1.2094	0.2016	1.3878	1.5146	0.5476
35	1.6042	0.8960	0.9591	0.2671	0.9679	1.2237	0.1956	1.3461	1.4867	0.4200
40	1.7616	0.8923	0.9344	0.2687	0.9752	1.2374	0.1901	1.3109	1.4645	0.3347
45	1.9354	0.8888	0.9089	0.2694	0.9830	1.2505	0.1854	1.2803	1.4463	0.2757
50	2.1280	0.8855	0.8827	0.2694	0.9915	1.2633	0.1818	1.2529	1.4309	0.2346
55	2.3456	0.8823	0.8557	0.2685	1.0007	1.2757	0.1801	1.2278	1.4175	0.2066
60	2.6023	0.8792	0.8279	0.2668	1.0111	1.2880	0.1816	1.2040	1.4053	0.1896
65	2.9345	0.8763	0.7995	0.2642	1.0231	1.3004	0.1894	1.1806	1.3937	0.1844
70	3.4596	0.8736	0.7703	0.2608	1.0380	1.3137	0.2131	1.1560	1.3818	0.1993
75	4.9711	0.8709	0.7404	0.2565	1.0601	1.3302	0.3178	1.1256	1.3670	0.2978
80	1.5779	0.8684	0.7098	0.2513						
85	1.6863	0.8661	0.6786	0.2452						
90	1.7852	0.8638	0.6468	0.2382						
95	1.8727	0.8617	0.6143	0.2304						
100	1.9466	0.8598	0.5813	0.2218						
105	2.0052	0.8579	0.5477	0.2124						
110	2.0464	0.8562	0.5136	0.2021						
115	2.0684	0.8546	0.4791	0.1911						
120	2.0696	0.8531	0.4440	0.1794						
125	2.0481	0.8517	0.4085	0.1670						
130	2.0026	0.8505	0.3727	0.1539						
135	1.9315	0.8494	0.3365	0.1403						
140	1.8337	0.8484	0.2999	0.1261						
145	1.7081	0.8475	0.2631	0.1115						
150	1.5538	0.8468	0.2260	0.0964						
155	1.3760	0.8461	0.1886	0.0809						
160	1.1563	0.8456	0.1511	0.0651						
165	0.9124	0.8452	0.1135	0.0490						
170	0.6382	0.8449	0.0757	0.0328						
175	0.3339	0.8447	0.0379	0.0164						
180	0.	0.8447	0.	0.						

GAMMA = 0.6000

ALPHA = 15.000

K = 1.800

DC = 2.3333

XR = 1.0878

BR = 1.320974

TR = 67.47

CR = 1.1776

QR = 0.9589E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9278	1.0958	0.2339	0.9278	1.0958	0.2339			
5	1.0246	0.9224	1.0768	0.2390	0.9334	1.1141	0.2285	1.9687	2.0028	9.3780
10	1.0764	0.9173	1.0571	0.2438	0.9393	1.1316	0.2230	1.6945	1.7513	3.1901
15	1.1524	0.9125	1.0365	0.2482	0.9455	1.1485	0.2174	1.5565	1.6326	1.6654
20	1.2509	0.9078	1.0153	0.2521	0.9521	1.1647	0.2119	1.4677	1.5610	1.0384
25	1.3708	0.9034	0.9932	0.2555	0.9590	1.1802	0.2066	1.4031	1.5121	0.7160
30	1.5116	0.8991	0.9704	0.2583	0.9665	1.1952	0.2018	1.3526	1.4762	0.5282
35	1.6735	0.8951	0.9468	0.2604	0.9744	1.2097	0.1978	1.3112	1.4485	0.4100
40	1.8589	0.8912	0.9224	0.2618	0.9831	1.2238	0.1951	1.2758	1.4261	0.3325
45	2.0737	0.8875	0.8972	0.2625	0.9926	1.2376	0.1943	1.2445	1.4073	0.2812
50	2.3317	0.8839	0.8713	0.2624	1.0033	1.2512	0.1971	1.2157	1.3909	0.2490
55	2.6687	0.8805	0.8447	0.2616	1.0158	1.2653	0.2069	1.1882	1.3757	0.2343
60	3.2003	0.8773	0.8173	0.2599	1.0313	1.2802	0.2348	1.1599	1.3606	0.2451
65	4.7009	0.8743	0.7892	0.2574	1.0545	1.2989	0.3539	1.1259	1.3425	0.3524
70	1.3851	0.8713	0.7603	0.2541						
75	1.5107	0.8686	0.7308	0.2499						
80	1.6305	0.8660	0.7007	0.2448						
85	1.7426	0.8635	0.6699	0.2389						
90	1.8449	0.8611	0.6384	0.2321						
95	1.9353	0.8589	0.6064	0.2245						
100	2.0118	0.8569	0.5738	0.2161						
105	2.0723	0.8550	0.5407	0.2069						
110	2.1150	0.8532	0.5070	0.1969						
115	2.1378	0.8515	0.4729	0.1862						
120	2.1390	0.8499	0.4383	0.1748						
125	2.1169	0.8485	0.4033	0.1627						
130	2.0699	0.8472	0.3679	0.1506						
135	1.9965	0.8461	0.3322	0.1367						
140	1.8954	0.8451	0.2961	0.1229						
145	1.7656	0.8441	0.2597	0.1086						
150	1.6061	0.8434	0.2231	0.0939						
155	1.4161	0.8427	0.1862	0.0788						
160	1.1952	0.8421	0.1492	0.0634						
165	0.9431	0.8417	0.1120	0.0478						
170	0.6597	0.8414	0.0748	0.0320						
175	0.3452	0.8412	0.0374	0.0160						
180	0.	0.8412	0.	0.						

GAMMA = 0.6000

ALPHA = 15.000

K = 2.000

DC = 2.3599

XR = 1.0853

BR = 1.297957

TR = 59.87

CR = 1.0449

QR = 0.7448E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9290	1.0840	0.2304	0.9290	1.0840	0.2304			
5	1.0282	0.9232	1.0651	0.2350	0.9351	1.1022	0.2256	1.9231	1.9563	8.9121
10	1.0846	0.9178	1.0455	0.2394	0.9415	1.1197	0.2207	1.6561	1.7115	3.0354
15	1.1674	0.9125	1.0251	0.2435	0.9483	1.1366	0.2161	1.5217	1.5960	1.5885
20	1.2758	0.9076	1.0040	0.2471	0.9556	1.1529	0.2117	1.4349	1.5261	0.9949
25	1.4093	0.9029	0.9822	0.2503	0.9634	1.1687	0.2080	1.3714	1.4780	0.6908
30	1.5690	0.8984	0.9595	0.2529	0.9719	1.1840	0.2053	1.3214	1.4424	0.5150
35	1.7584	0.8941	0.9362	0.2548	0.9812	1.1990	0.2043	1.2800	1.4145	0.4063
40	1.9863	0.8900	0.9120	0.2562	0.9915	1.2138	0.2063	1.2439	1.3915	0.3378
45	2.2745	0.8861	0.8872	0.2568	1.0034	1.2288	0.2136	1.2111	1.3716	0.2975
50	2.6847	0.8824	0.8615	0.2567	1.0176	1.2444	0.2331	1.1795	1.3531	0.2841
55	3.4773	0.8788	0.8352	0.2558	1.0367	1.2623	0.2925	1.1459	1.3339	0.3205
60	1.1590	0.8754	0.8081	0.2542						
65	1.2942	0.8722	0.7803	0.2517						
70	1.4275	0.8692	0.7518	0.2484						
75	1.5568	0.8663	0.7226	0.2443						
80	1.6803	0.8636	0.6928	0.2393						
85	1.7958	0.8610	0.6623	0.2335						
90	1.9011	0.8586	0.6312	0.2269						
95	1.9943	0.8563	0.5996	0.2195						
100	2.0731	0.8541	0.5674	0.2113						
105	2.1355	0.8521	0.5346	0.2023						
110	2.1794	0.8503	0.5013	0.1925						
115	2.2029	0.8485	0.4676	0.1821						
120	2.2042	0.8470	0.4334	0.1709						
125	2.1814	0.8455	0.3988	0.1591						
130	2.1329	0.8442	0.3638	0.1467						
135	2.0573	0.8430	0.3284	0.1337						
140	1.9532	0.8419	0.2927	0.1202						
145	1.8194	0.8409	0.2568	0.1062						
150	1.6550	0.8401	0.2206	0.0918						
155	1.4592	0.8394	0.1841	0.0771						
160	1.2316	0.8389	0.1475	0.0620						
165	0.9718	0.8384	0.1108	0.0467						
170	0.6798	0.8381	0.0739	0.0313						
175	0.3557	0.8379	0.0370	0.0157						
180	0.	0.8379	0.	0.						

GAMMA=0.6000 ALPHA=15.000 K= 2.20

DC= 2.3839 XR= 1.08334 BR= 1.27875
TR=53.8612 CR= 0.94005 QR=60.52038

THETA	ST	X1	B1	S1
0	1.0000	0.9300	1.0739	0.2280
5	1.0317	0.9239	1.0551	0.2321
10	1.0931	0.9180	1.0355	0.2361
15	1.1836	0.9125	1.0153	0.2398
20	1.3032	0.9073	0.9943	0.2431
25	1.4531	0.9023	0.9726	0.2460
30	1.6371	0.8976	0.9502	0.2484
35	1.8653	0.8930	0.9270	0.2502
40	2.1634	0.8888	0.9030	0.2514
45	2.6085	0.8847	0.8784	0.2520
50	3.5794	0.8808	0.8530	0.2518
55	1.0532	0.8771	0.8269	0.2509
60	1.1921	0.8736	0.8000	0.2492
65	1.3309	0.8703	0.7725	0.2468
70	1.4678	0.8671	0.7443	0.2435
75	1.6007	0.8641	0.7154	0.2395
80	1.7276	0.8613	0.6858	0.2346
85	1.8462	0.8586	0.6557	0.2289
90	1.9544	0.8561	0.6249	0.2224
95	2.0501	0.8537	0.5936	0.2151
100	2.1310	0.8515	0.5617	0.2071
105	2.1951	0.8495	0.5292	0.1983
110	2.2402	0.8475	0.4963	0.1887
115	2.2644	0.8457	0.4629	0.1784
120	2.2656	0.8441	0.4290	0.1675
125	2.2422	0.8426	0.3948	0.1559
130	2.1923	0.8412	0.3601	0.1437
135	2.1146	0.8400	0.3251	0.1310
140	2.0075	0.8389	0.2898	0.1178
145	1.8700	0.8379	0.2542	0.1041
150	1.7010	0.8371	0.2183	0.0900
155	1.4998	0.8364	0.1823	0.0755
160	1.2659	0.8358	0.1460	0.0608
165	0.9988	0.8354	0.1097	0.0458
170	0.6987	0.8350	0.0732	0.0306
175	0.3656	0.8348	0.0366	0.0153
180	0.	0.8348	0.	0.

GAMMA=0.6000 ALPHA=15.000 K= 2.60

DC= 2.4258 XR= 1.08032 BR= 1.24850
TR=44.9283 CR= 0.78415 QR=43.65611

THETA	ST	X1	B1	S1
0	1.0000	0.9318	1.0577	0.2258
5	1.0390	0.9248	1.0388	0.2286
10	1.1113	0.9183	1.0192	0.2316
15	1.2197	0.9122	0.9991	0.2345
20	1.3671	0.9064	0.9783	0.2372
25	1.5608	0.9010	0.9568	0.2396
30	1.8200	0.8958	0.9346	0.2415
35	2.2009	0.8909	0.9116	0.2430
40	2.9415	0.8863	0.8880	0.2440
45	0.8250	0.8819	0.8637	0.2443
50	0.9650	0.8777	0.8387	0.2440
55	1.1087	0.8738	0.8129	0.2430
60	1.2544	0.8700	0.7865	0.2413
65	1.4000	0.8665	0.7594	0.2388
70	1.5435	0.8631	0.7316	0.2356
75	1.6829	0.8599	0.7032	0.2316
80	1.8158	0.8569	0.6741	0.2268
85	1.9402	0.8541	0.6445	0.2213
90	2.0536	0.8514	0.6142	0.2150
95	2.1538	0.8489	0.5834	0.2079
100	2.2366	0.8466	0.5520	0.2001
105	2.3057	0.8444	0.5201	0.1916
110	2.3529	0.8424	0.4878	0.1823
115	2.3781	0.8405	0.4549	0.1724
120	2.3793	0.8388	0.4216	0.1618
125	2.3545	0.8372	0.3880	0.1506
130	2.3021	0.8358	0.3539	0.1388
135	2.2203	0.8345	0.3195	0.1265
140	2.1078	0.8333	0.2848	0.1137
145	1.9634	0.8323	0.2498	0.1005
150	1.7859	0.8314	0.2146	0.0869
155	1.5747	0.8307	0.1791	0.0729
160	1.3290	0.8301	0.1435	0.0587
165	1.0487	0.8296	0.1078	0.0442
170	0.7335	0.8293	0.0719	0.0296
175	0.3838	0.8291	0.0360	0.0148
180	0.	0.8290	0.	0.

GAMMA=0.6000 ALPHA=15.000 K= 3.00

DC= 2.4617 XR= 1.07814 BR= 1.22576
TR=38.5826 CR= 0.67339 QR=33.96941

THETA	ST	X1	B1	S1
0	1.0000	0.9332	1.0451	0.2260
5	1.0464	0.9255	1.0260	0.2274
10	1.1313	0.9183	1.0064	0.2292
15	1.2615	0.9117	0.9862	0.2312
20	1.4459	0.9054	0.9654	0.2332
25	1.7078	0.8995	0.9440	0.2350
30	2.1210	0.8940	0.9220	0.2365
35	3.0732	0.8888	0.8993	0.2377
40	0.7244	0.8838	0.8759	0.2383
45	0.8648	0.8791	0.8518	0.2384
50	1.0108	0.8747	0.8270	0.2379
55	1.1606	0.8705	0.8016	0.2368
60	1.3124	0.8666	0.7755	0.2350
65	1.4641	0.8629	0.7487	0.2325
70	1.6136	0.8593	0.7213	0.2293
75	1.7587	0.8560	0.6932	0.2253
80	1.8971	0.8529	0.6645	0.2206
85	2.0266	0.8499	0.6353	0.2152
90	2.1446	0.8471	0.6054	0.2090
95	2.2489	0.8445	0.5750	0.2021
100	2.3371	0.8421	0.5441	0.1945
105	2.4068	0.8398	0.5126	0.1861
110	2.4558	0.8377	0.4807	0.1771
115	2.4819	0.8357	0.4483	0.1675
120	2.4829	0.8339	0.4155	0.1572
125	2.4568	0.8323	0.3823	0.1463
130	2.4020	0.8308	0.3488	0.1348
135	2.3165	0.8295	0.3149	0.1229
140	2.1991	0.8283	0.2807	0.1105
145	2.0483	0.8272	0.2462	0.0976
150	1.8631	0.8263	0.2115	0.0844
155	1.6426	0.8255	0.1765	0.0708
160	1.3863	0.8249	0.1414	0.0570
165	1.0939	0.8244	0.1062	0.0429
170	0.7651	0.8241	0.0709	0.0287
175	0.4004	0.8239	0.0354	0.0144
180	0.	0.8238	0.	0.

GAMMA=0.6000 ALPHA=15.000 K= 4.00

DC= 2.5340 XR= 1.07465 BR= 1.18773
TR=28.5725 CR= 0.49868 QR=21.70963

THETA	ST	X1	B1	S1
0	1.0000	0.9357	1.0233	0.2327
5	1.0662	0.9262	1.0034	0.2297
10	1.1904	0.9176	0.9833	0.2283
15	1.3990	0.9097	0.9629	0.2279
20	1.7561	0.9024	0.9420	0.2280
25	2.6069	0.8956	0.9206	0.2283
30	0.5214	0.8893	0.8987	0.2287
35	0.6575	0.8834	0.8762	0.2288
40	0.8029	0.8778	0.8531	0.2287
45	0.9559	0.8726	0.8294	0.2282
50	1.1149	0.8677	0.8051	0.2273
55	1.2779	0.8631	0.7801	0.2258
60	1.4428	0.8587	0.7546	0.2237
65	1.6076	0.8546	0.7284	0.2211
70	1.7699	0.8508	0.7016	0.2178
75	1.9273	0.8471	0.6742	0.2138
80	2.0774	0.8437	0.6462	0.2092
85	2.2177	0.8405	0.6177	0.2039
90	2.3455	0.8375	0.5886	0.1980
95	2.4583	0.8347	0.5590	0.1913
100	2.5536	0.8321	0.5289	0.1840
105	2.6288	0.8296	0.4983	0.1761
110	2.6814	0.8273	0.4672	0.1675
115	2.7090	0.8253	0.4357	0.1583
120	2.7094	0.8233	0.4038	0.1485
125	2.6803	0.8216	0.3715	0.1382
130	2.6199	0.8200	0.3389	0.1274
135	2.5263	0.8185	0.3059	0.1161
140	2.3978	0.8172	0.2727	0.1043
145	2.2831	0.8161	0.2392	0.0922
150	2.0310	0.8152	0.2054	0.0797
155	1.7905	0.8143	0.1715	0.0669
160	1.5110	0.8137	0.1374	0.0538
165	1.1922	0.8131	0.1032	0.0405
170	0.8339	0.8128	0.0688	0.0271
175	0.4363	0.8126	0.0344	0.0136
180	0.	0.8125	0.	0.

GANMA=0.6000 ALPHA=15.000 K= 6.00

DC= 2.6370 XR= 1.07121 BR= 1.14826
TR=18.8576 CR= 0.32913 QR=12.54562

THETA	ST	X1	B1	S1
0	1.0000	0.9385	0.9997	0.2587
5	1.1124	0.9258	0.9775	0.2438
10	1.3649	0.9147	0.9560	0.2349
15	2.0127	0.9048	0.9346	0.2293
20	0.3430	0.8959	0.9131	0.2257
25	0.4741	0.8878	0.8914	0.2232
30	0.6180	0.8804	0.8694	0.2213
35	0.7734	0.8735	0.8469	0.2198
40	0.9386	0.8671	0.8241	0.2183
45	1.1119	0.8611	0.8007	0.2167
50	1.2914	0.8555	0.7768	0.2149
55	1.4751	0.8503	0.7524	0.2128
60	1.6607	0.8454	0.7274	0.2103
65	1.8459	0.8409	0.7019	0.2073
70	2.0280	0.8366	0.6759	0.2038
75	2.2044	0.8325	0.6493	0.1997
80	2.3724	0.8288	0.6222	0.1951
85	2.5292	0.8253	0.5946	0.1899
90	2.6719	0.8220	0.5665	0.1841
95	2.7976	0.8189	0.5379	0.1778
100	2.9034	0.8160	0.5088	0.1708
105	2.9865	0.8133	0.4793	0.1633
110	3.0441	0.8109	0.4494	0.1553
115	3.0736	0.8086	0.4190	0.1466
120	3.0723	0.8065	0.3883	0.1375
125	3.0379	0.8046	0.3572	0.1279
130	2.9682	0.8029	0.3258	0.1178
135	2.8611	0.8013	0.2941	0.1073
140	2.7147	0.8000	0.2621	0.0964
145	2.5275	0.7987	0.2299	0.0852
150	2.2982	0.7977	0.1974	0.0736
155	2.0257	0.7968	0.1648	0.0618
160	1.7092	0.7961	0.1320	0.0497
165	1.3484	0.7955	0.0991	0.0374
170	0.9431	0.7951	0.0661	0.0250
175	0.4934	0.7949	0.0331	0.0125
180	0.	0.7948	0.	0.

GANMA=0.6000 ALPHA=15.000 K= 8.00

DC= 2.7118 XR= 1.06950 BR= 1.12794
TR=14.0855 CR= 0.24584 QR= 8.81264

THETA	ST	X1	B1	S1
0	1.0000	0.9401	0.9870	0.2913
5	1.1707	0.9243	0.9624	0.2613
10	1.6905	0.9111	0.9393	0.2443
15	0.2663	0.8997	0.9169	0.2336
20	0.3976	0.8896	0.8947	0.2265
25	0.5435	0.8805	0.8726	0.2216
30	0.7026	0.8723	0.8504	0.2179
35	0.8734	0.8647	0.8279	0.2150
40	1.0544	0.8578	0.8050	0.2124
45	1.2438	0.8513	0.7818	0.2100
50	1.4396	0.8453	0.7581	0.2075
55	1.6396	0.8397	0.7340	0.2048
60	1.8413	0.8345	0.7094	0.2019
65	2.0424	0.8296	0.6843	0.1986
70	2.2399	0.8251	0.6588	0.1949
75	2.4310	0.8208	0.6327	0.1907
80	2.6128	0.8168	0.6062	0.1861
85	2.7823	0.8131	0.5791	0.1809
90	2.9363	0.8096	0.5517	0.1752
95	3.0716	0.8064	0.5237	0.1690
100	3.1853	0.8034	0.4953	0.1623
105	3.2742	0.8006	0.4665	0.1551
110	3.3353	0.7980	0.4373	0.1473
115	3.3658	0.7956	0.4077	0.1391
120	3.3628	0.7934	0.3778	0.1304
125	3.3237	0.7914	0.3475	0.1212
130	3.2462	0.7896	0.3169	0.1116
135	3.1280	0.7880	0.2861	0.1016
140	2.9672	0.7866	0.2549	0.0913
145	2.7619	0.7853	0.2236	0.0806
150	2.5108	0.7842	0.1920	0.0696
155	2.2127	0.7833	0.1603	0.0584
160	1.8667	0.7825	0.1284	0.0470
165	1.4725	0.7820	0.0964	0.0354
170	1.0298	0.7815	0.0643	0.0237
175	0.5388	0.7813	0.0322	0.0119
180	0.	0.7812	0.	0.

GANMA=0.6000 ALPHA=15.000 K= 10.00

DC= 2.7712 XR= 1.06848 BR= 1.11555
TR=11.2441 CR= 0.19625 QR= 6.79075

THETA	ST	X1	B1	S1
0	1.0000	0.9411	0.9792	0.3268
5	1.2449	0.9224	0.9521	0.2791
10	2.6355	0.9075	0.9274	0.2536
15	0.3036	0.8948	0.9041	0.2382
20	0.4475	0.8838	0.8813	0.2281
25	0.6061	0.8739	0.8588	0.2210
30	0.7781	0.8651	0.8363	0.2158
35	0.9620	0.8570	0.8137	0.2118
40	1.1563	0.8497	0.7909	0.2083
45	1.3591	0.8428	0.7677	0.2052
50	1.5685	0.8365	0.7442	0.2022
55	1.7820	0.8307	0.7203	0.1991
60	1.9972	0.8252	0.6960	0.1959
65	2.2114	0.8201	0.6712	0.1923
70	2.4217	0.8154	0.6459	0.1885
75	2.6249	0.8110	0.6202	0.1842
80	2.8181	0.8068	0.5941	0.1795
85	2.9979	0.8030	0.5675	0.1744
90	3.1611	0.7994	0.5405	0.1687
95	3.3043	0.7960	0.5130	0.1627
100	3.4243	0.7929	0.4852	0.1561
105	3.5178	0.7900	0.4569	0.1490
110	3.5816	0.7873	0.4282	0.1415
115	3.6126	0.7849	0.3992	0.1335
120	3.6079	0.7826	0.3699	0.1251
125	3.5647	0.7806	0.3402	0.1163
130	3.4804	0.7787	0.3102	0.1070
135	3.3527	0.7771	0.2800	0.0974
140	3.1795	0.7756	0.2495	0.0875
145	2.9589	0.7743	0.2188	0.0772
150	2.6894	0.7732	0.1879	0.0667
155	2.3697	0.7722	0.1569	0.0560
160	1.9990	0.7715	0.1257	0.0450
165	1.5767	0.7709	0.0943	0.0339
170	1.1026	0.7704	0.0629	0.0227
175	0.5768	0.7702	0.0315	0.0114
180	0.	0.7701	0.	0.

GANMA=0.6000 ALPHA=15.000 K= 20.00

DC= 2.9665 XR= 1.06644 BR= 1.09030
TR= 4.6016 CR= 0.08031 QR= 3.16273

THETA	ST	X1	B1	S1
0	1.0000	0.9426	0.9621	0.5020
5	0.1225	0.9123	0.9240	0.3532
10	0.2835	0.8909	0.8936	0.2889
15	0.4594	0.8742	0.8668	0.2549
20	0.6497	0.8603	0.8419	0.2341
25	0.8541	0.8483	0.8180	0.2202
30	1.0721	0.8378	0.7948	0.2103
35	1.3027	0.8285	0.7718	0.2028
40	1.5444	0.8200	0.7489	0.1967
45	1.7950	0.8122	0.7259	0.1916
50	2.0523	0.8051	0.7028	0.1871
55	2.3137	0.7986	0.6794	0.1828
60	2.5760	0.7925	0.6558	0.1786
65	2.8361	0.7869	0.6319	0.1744
70	3.0906	0.7817	0.6076	0.1701
75	3.3358	0.7769	0.5830	0.1655
80	3.5680	0.7724	0.5581	0.1607
85	3.7832	0.7682	0.5327	0.1556
90	3.9775	0.7643	0.5071	0.1501
95	4.1470	0.7607	0.4811	0.1443
100	4.2877	0.7573	0.4549	0.1382
105	4.3957	0.7542	0.4286	0.1317
110	4.4672	0.7514	0.4010	0.1248
115	4.4985	0.7488	0.3737	0.1176
120	4.4861	0.7464	0.3461	0.1100
125	4.4267	0.7442	0.3183	0.1021
130	4.3171	0.7422	0.2902	0.0939
135	4.1545	0.7404	0.2618	0.0854
140	3.9364	0.7388	0.2333	0.0766
145	3.6605	0.7375	0.2045	0.0676
150	3.3249	0.7363	0.1756	0.0583
155	2.9281	0.7353	0.1466	0.0489
160	2.4689	0.7345	0.1174	0.0393
165	1.9467	0.7338	0.0881	0.0296
170	1.3610	0.7334	0.0588	0.0198
175	0.7119	0.7331	0.0294	0.0099
180	0.	0.7330	0.	0.

GAMMA = 0.6000 ALPHA = 16.000 K = 0.200

DC = 1.7467 XO = 1.5955 BO = 2.129514 V2 = -0.3804E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9064	1.5120	0.4910	0.9064	1.5120	0.5156			
5	0.9958	0.9054	1.4832	0.4971	0.9074	1.5398	0.5087	3.2441	3.3019	27.2615
10	1.0177	0.9043	1.4535	0.5023	0.9084	1.5668	0.5011	2.7617	2.8577	9.2103
15	1.0568	0.9033	1.4229	0.5066	0.9095	1.5929	0.4930	2.5196	2.6479	4.7739
20	1.1098	0.9023	1.3913	0.5098	0.9105	1.6181	0.4844	2.3644	2.5213	2.9436
25	1.1743	0.9013	1.3589	0.5120	0.9115	1.6424	0.4753	2.2533	2.4361	1.9941
30	1.2485	0.9004	1.3256	0.5131	0.9126	1.6658	0.4658	2.1683	2.3748	1.4325
35	1.3309	0.8994	1.2914	0.5131	0.9136	1.6884	0.4560	2.1006	2.3288	1.0708
40	1.4200	0.8985	1.2562	0.5118	0.9146	1.7101	0.4459	2.0449	2.2933	0.8237
45	1.5145	0.8975	1.2203	0.5094	0.9156	1.7310	0.4356	1.9982	2.2653	0.6473
50	1.6130	0.8966	1.1834	0.5056	0.9166	1.7511	0.4251	1.9584	2.2429	0.5172
55	1.7143	0.8957	1.1457	0.5006	0.9175	1.7704	0.4146	1.9240	2.2247	0.4186
60	1.8170	0.8949	1.1071	0.4942	0.9185	1.7888	0.4041	1.8939	2.2098	0.3424
65	1.9198	0.8940	1.0678	0.4866	0.9195	1.8066	0.3936	1.8674	2.1975	0.2825
70	2.0216	0.8932	1.0276	0.4775	0.9204	1.8235	0.3832	1.8439	2.1873	0.2348
75	2.1209	0.8924	0.9867	0.4672	0.9213	1.8397	0.3729	1.8229	2.1787	0.1962
80	2.2166	0.8917	0.9450	0.4555	0.9222	1.8553	0.3628	1.8041	2.1715	0.1649
85	2.3076	0.8909	0.9026	0.4425	0.9231	1.8701	0.3529	1.7872	2.1654	0.1391
90	2.3925	0.8902	0.8594	0.4281	0.9239	1.8842	0.3433	1.7718	2.1602	0.1179
95	2.4704	0.8895	0.8156	0.4125	0.9248	1.8977	0.3340	1.7579	2.1559	0.1002
100	2.5402	0.8889	0.7712	0.3956	0.9256	1.9106	0.3251	1.7453	2.1521	0.0855
105	2.6007	0.8883	0.7261	0.3775	0.9264	1.9228	0.3165	1.7338	2.1490	0.0731
110	2.6512	0.8877	0.6804	0.3582	0.9271	1.9345	0.3084	1.7232	2.1462	0.0627
115	2.6907	0.8872	0.6342	0.3378	0.9279	1.9456	0.3007	1.7136	2.1439	0.0540
120	2.7185	0.8867	0.5875	0.3163	0.9286	1.9561	0.2934	1.7047	2.1419	0.0466
125	2.7339	0.8862	0.5403	0.2937	0.9293	1.9661	0.2867	1.6966	2.1402	0.0404
130	2.7364	0.8858	0.4926	0.2702	0.9299	1.9756	0.2805	1.6891	2.1387	0.0352
135	2.7255	0.8854	0.4445	0.2459	0.9306	1.9846	0.2748	1.6822	2.1375	0.0308
140	2.7009	0.8851	0.3961	0.2207	0.9312	1.9931	0.2697	1.6759	2.1364	0.0271
145	2.6623	0.8848	0.3473	0.1947	0.9318	2.0012	0.2651	1.6700	2.1355	0.0240
150	2.6098	0.8845	0.2982	0.1682	0.9324	2.0089	0.2612	1.6646	2.1346	0.0215
155	2.5434	0.8843	0.2489	0.1410	0.9329	2.0161	0.2578	1.6597	2.1340	0.0195
160	2.4634	0.8841	0.1994	0.1134	0.9335	2.0230	0.2550	1.6550	2.1334	0.0179
165	2.3702	0.8840	0.1497	0.0854	0.9340	2.0295	0.2528	1.6508	2.1328	0.0167
170	2.2644	0.8839	0.0999	0.0571	0.9345	2.0356	0.2513	1.6468	2.1324	0.0159
175	2.1468	0.8838	0.0500	0.0286	0.9349	2.0414	0.2504	1.6432	2.1320	0.0154
180	2.0183	0.8838	0.	0.	0.9354	2.0468	0.2500	1.6398	2.1317	0.0152

GAMMA = 0.6000 ALPHA = 16.000 K = 0.400

DC = 1.9307 XO = 1.3805 BO = 1.831803 V2 = -0.4838E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9128	1.3464	0.3719	0.9128	1.3464	0.3873			
5	1.0005	0.9111	1.3219	0.3783	0.9145	1.3701	0.3801	2.7557	2.8044	19.3233
10	1.0272	0.9094	1.2965	0.3841	0.9162	1.3929	0.3726	2.3531	2.4341	6.5329
15	1.0717	0.9078	1.2702	0.3891	0.9179	1.4148	0.3646	2.1511	2.2594	3.3860
20	1.1305	0.9062	1.2430	0.3933	0.9197	1.4360	0.3563	2.0220	2.1545	2.0870
25	1.2014	0.9046	1.2150	0.3966	0.9214	1.4562	0.3476	1.9294	2.0838	1.4126
30	1.2824	0.9030	1.1861	0.3990	0.9232	1.4757	0.3386	1.8587	2.0330	1.0137
35	1.3719	0.9015	1.1563	0.4005	0.9249	1.4943	0.3295	1.8023	1.9951	0.7569
40	1.4684	0.9000	1.1256	0.4009	0.9266	1.5122	0.3202	1.7560	1.9658	0.5815
45	1.5705	0.8985	1.0941	0.4004	0.9284	1.5292	0.3108	1.7172	1.9428	0.4564
50	1.6767	0.8971	1.0618	0.3987	0.9301	1.5456	0.3014	1.6841	1.9244	0.3641
55	1.7854	0.8957	1.0286	0.3960	0.9318	1.5612	0.2920	1.6555	1.9095	0.2944
60	1.8954	0.8944	0.9946	0.3921	0.9336	1.5760	0.2826	1.6305	1.8973	0.2405
65	2.0052	0.8931	0.9598	0.3871	0.9352	1.5902	0.2734	1.6085	1.8872	0.1982
70	2.1133	0.8918	0.9242	0.3809	0.9369	1.6037	0.2643	1.5890	1.8788	0.1645
75	2.2183	0.8906	0.8878	0.3736	0.9386	1.6165	0.2555	1.5716	1.8718	0.1374
80	2.3188	0.8895	0.8507	0.3651	0.9402	1.6287	0.2468	1.5560	1.8660	0.1153
85	2.4135	0.8884	0.8129	0.3554	0.9418	1.6403	0.2385	1.5419	1.8610	0.0973
90	2.5010	0.8873	0.7744	0.3446	0.9434	1.6513	0.2304	1.5291	1.8568	0.0824
95	2.5799	0.8863	0.7353	0.3327	0.9450	1.6618	0.2226	1.5176	1.8533	0.0700
100	2.6492	0.8853	0.6955	0.3196	0.9465	1.6716	0.2152	1.5071	1.8503	0.0597
105	2.7075	0.8844	0.6551	0.3055	0.9480	1.6810	0.2082	1.4975	1.8477	0.0511
110	2.7537	0.8836	0.6141	0.2903	0.9494	1.6899	0.2015	1.4887	1.8455	0.0438
115	2.7870	0.8828	0.5726	0.2741	0.9509	1.6983	0.1953	1.4806	1.8436	0.0377
120	2.8062	0.8820	0.5306	0.2570	0.9523	1.7062	0.1895	1.4733	1.8420	0.0326
125	2.8106	0.8813	0.4881	0.2390	0.9536	1.7137	0.1841	1.4665	1.8406	0.0283
130	2.7995	0.8807	0.4451	0.2201	0.9549	1.7208	0.1791	1.4602	1.8394	0.0246
135	2.7723	0.8802	0.4018	0.2004	0.9562	1.7275	0.1746	1.4545	1.8384	0.0216
140	2.7286	0.8796	0.3581	0.1800	0.9575	1.7338	0.1706	1.4492	1.8375	0.0190
145	2.6681	0.8792	0.3140	0.1590	0.9587	1.7397	0.1670	1.4443	1.8367	0.0169
150	2.5906	0.8788	0.2697	0.1374	0.9598	1.7454	0.1639	1.4397	1.8360	0.0152
155	2.4963	0.8785	0.2251	0.1153	0.9610	1.7506	0.1613	1.4355	1.8355	0.0137
160	2.3853	0.8782	0.1804	0.0927	0.9620	1.7556	0.1591	1.4316	1.8350	0.0126
165	2.2582	0.8780	0.1354	0.0698	0.9631	1.7603	0.1575	1.4280	1.8346	0.0118
170	2.1154	0.8778	0.0903	0.0467	0.9641	1.7647	0.1562	1.4247	1.8342	0.0112
175	1.9580	0.8777	0.0452	0.0234	0.9651	1.7689	0.1555	1.4216	1.8339	0.0109
180	1.7869	0.8777	0.	0.	0.9660	1.7728	0.1553	1.4187	1.8336	0.0108

GAMMA = 0.6000 ALPHA = 16.000 K = 0.600										
DC = 2.0367 XO = 1.2526 BO = 1.677212 V2 = -0.4413E 01										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9173	1.2647	0.3184	0.9173	1.2647	0.3300			
5	1.0045	0.9150	1.2423	0.3250	0.9196	1.2862	0.3228	2.5082	2.5524	15.8142
10	1.0350	0.9128	1.2190	0.3310	0.9219	1.3069	0.3152	2.1460	2.2194	5.3509
15	1.0836	0.9106	1.1949	0.3363	0.9243	1.3268	0.3072	1.9646	2.0628	2.7742
20	1.1470	0.9085	1.1699	0.3410	0.9267	1.3458	0.2989	1.8484	1.9686	1.7098
25	1.2227	0.9064	1.1440	0.3448	0.9291	1.3640	0.2903	1.7652	1.9052	1.1572
30	1.3090	0.9043	1.1173	0.3478	0.9315	1.3814	0.2815	1.7016	1.8597	0.8304
35	1.4041	0.9023	1.0897	0.3499	0.9340	1.3980	0.2725	1.6509	1.8257	0.6200
40	1.5064	0.9004	1.0613	0.3511	0.9365	1.4138	0.2635	1.6093	1.7995	0.4765
45	1.6143	0.8985	1.0320	0.3514	0.9389	1.4289	0.2543	1.5743	1.7789	0.3741
50	1.7263	0.8966	1.0018	0.3507	0.9414	1.4433	0.2452	1.5445	1.7625	0.2988
55	1.8409	0.8949	0.9709	0.3489	0.9439	1.4569	0.2362	1.5187	1.7491	0.2419
60	1.9563	0.8931	0.9391	0.3461	0.9464	1.4699	0.2272	1.4961	1.7382	0.1979
65	2.0712	0.8915	0.9066	0.3423	0.9489	1.4821	0.2184	1.4762	1.7291	0.1635
70	2.1838	0.8899	0.8732	0.3374	0.9514	1.4938	0.2098	1.4585	1.7216	0.1361
75	2.2926	0.8884	0.8391	0.3313	0.9539	1.5048	0.2014	1.4426	1.7153	0.1140
80	2.3961	0.8869	0.8043	0.3242	0.9563	1.5152	0.1932	1.4284	1.7099	0.0961
85	2.4927	0.8855	0.7688	0.3161	0.9588	1.5250	0.1853	1.4155	1.7054	0.0815
90	2.5811	0.8842	0.7326	0.3068	0.9612	1.5343	0.1777	1.4038	1.7016	0.0693
95	2.6597	0.8829	0.6957	0.2965	0.9637	1.5431	0.1705	1.3931	1.6984	0.0593
100	2.7268	0.8817	0.6582	0.2852	0.9660	1.5513	0.1636	1.3834	1.6956	0.0509
105	2.7819	0.8806	0.6201	0.2728	0.9684	1.5591	0.1571	1.3744	1.6932	0.0439
110	2.8233	0.8795	0.5814	0.2595	0.9707	1.5664	0.1509	1.3662	1.6911	0.0380
115	2.8498	0.8785	0.5422	0.2452	0.9730	1.5732	0.1452	1.3587	1.6893	0.0330
120	2.8605	0.8776	0.5025	0.2301	0.9753	1.5797	0.1398	1.3517	1.6878	0.0288
125	2.8545	0.8768	0.4623	0.2141	0.9776	1.5858	0.1349	1.3453	1.6865	0.0253
130	2.8309	0.8760	0.4217	0.1973	0.9798	1.5915	0.1304	1.3393	1.6853	0.0223
135	2.7891	0.8753	0.3807	0.1797	0.9819	1.5968	0.1263	1.3337	1.6843	0.0198
140	2.7287	0.8747	0.3393	0.1615	0.9840	1.6018	0.1226	1.3286	1.6834	0.0177
145	2.6493	0.8741	0.2976	0.1427	0.9861	1.6065	0.1194	1.3238	1.6827	0.0159
150	2.5508	0.8736	0.2556	0.1233	0.9882	1.6109	0.1166	1.3194	1.6820	0.0145
155	2.4333	0.8732	0.2134	0.1035	0.9901	1.6150	0.1142	1.3152	1.6814	0.0133
160	2.2969	0.8729	0.1710	0.0833	0.9921	1.6189	0.1123	1.3113	1.6809	0.0124
165	2.1422	0.8726	0.1284	0.0628	0.9940	1.6225	0.1108	1.3077	1.6805	0.0117
170	1.9700	0.8724	0.0856	0.0420	0.9959	1.6259	0.1097	1.3043	1.6801	0.0112
175	1.7810	0.8723	0.0428	0.0210	0.9977	1.6291	0.1090	1.3012	1.6797	0.0109
180	1.5767	0.8723	0.	0.	0.9994	1.6320	0.1088	1.2982	1.6794	0.0108

GAMMA = 0.6000 ALPHA = 16.000 K = 0.800										
DC = 2.1104 XR = 1.1252 BR = 1.566594 TR = 99.28 CR = 4.5505 QR = 0.2991E 05										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9207	1.2133	0.2870	0.9207	1.2133	0.2870			
5	1.0075	0.9179	1.1922	0.2937	0.9236	1.2335	0.2799	2.3478	2.3889	13.7258
10	1.0432	0.9152	1.1703	0.2998	0.9265	1.2529	0.2722	2.0118	2.0803	4.6479
15	1.0910	0.9125	1.1475	0.3053	0.9294	1.2715	0.2642	1.8434	1.9350	2.4106
20	1.1567	0.9099	1.1239	0.3102	0.9325	1.2892	0.2558	1.7358	1.8480	1.4861
25	1.2349	0.9073	1.0994	0.3142	0.9355	1.3061	0.2472	1.6586	1.7893	1.0062
30	1.3237	0.9049	1.0740	0.3175	0.9387	1.3222	0.2383	1.5995	1.7472	0.7225
35	1.4215	0.9025	1.0478	0.3200	0.9418	1.3376	0.2293	1.5524	1.7157	0.5401
40	1.5265	0.9001	1.0207	0.3216	0.9451	1.3521	0.2202	1.5136	1.6914	0.4157
45	1.6370	0.8979	0.9928	0.3223	0.9483	1.3660	0.2110	1.4810	1.6722	0.3272
50	1.7512	0.8957	0.9640	0.3221	0.9516	1.3791	0.2018	1.4531	1.6569	0.2621
55	1.8674	0.8936	0.9344	0.3209	0.9549	1.3915	0.1927	1.4289	1.6444	0.2129
60	1.9839	0.8916	0.9041	0.3187	0.9583	1.4033	0.1836	1.4077	1.6341	0.1751
65	2.0988	0.8896	0.8729	0.3155	0.9617	1.4144	0.1746	1.3888	1.6255	0.1454
70	2.2104	0.8878	0.8410	0.3113	0.9651	1.4248	0.1658	1.3720	1.6184	0.1218
75	2.3169	0.8860	0.8083	0.3061	0.9685	1.4347	0.1572	1.3568	1.6123	0.1028
80	2.4166	0.8843	0.7749	0.2998	0.9720	1.4440	0.1488	1.3431	1.6072	0.0874
85	2.5075	0.8826	0.7408	0.2924	0.9754	1.4527	0.1406	1.3306	1.6028	0.0747
90	2.5882	0.8811	0.7060	0.2841	0.9789	1.4609	0.1327	1.3192	1.5990	0.0642
95	2.6567	0.8796	0.6706	0.2747	0.9824	1.4686	0.1251	1.3086	1.5957	0.0555
100	2.7116	0.8782	0.6345	0.2644	0.9860	1.4757	0.1177	1.2989	1.5929	0.0482
105	2.7570	0.8769	0.5979	0.2531	0.9895	1.4825	0.1320	1.2899	1.5904	0.0539
110	2.7949	0.8757	0.5606	0.2409	0.9930	1.4888	0.1228	1.2816	1.5883	0.0455
115	2.9794	0.8746	0.5229	0.2277	0.9966	1.4947	0.1159	1.2738	1.5864	0.0397
120	2.9741	0.8735	0.4846	0.2138	1.0001	1.5002	0.1100	1.2665	1.5847	0.0352
125	2.9542	0.8725	0.4459	0.1990	1.0037	1.5053	0.1049	1.2596	1.5832	0.0316
130	2.9170	0.8716	0.4068	0.1834	1.0072	1.5101	0.1002	1.2532	1.5819	0.0286
135	2.8613	0.8708	0.3672	0.1672	1.0108	1.5145	0.0961	1.2471	1.5807	0.0262
140	2.7860	0.8701	0.3274	0.1503	1.0143	1.5187	0.0925	1.2413	1.5797	0.0241
145	2.6906	0.8695	0.2871	0.1328	1.0179	1.5225	0.0893	1.2359	1.5787	0.0224
150	2.5749	0.8689	0.2466	0.1148	1.0214	1.5261	0.0866	1.2307	1.5779	0.0210
155	2.4388	0.8685	0.2059	0.0964	1.0250	1.5295	0.0843	1.2257	1.5771	0.0199
160	2.2826	0.8681	0.1650	0.0776	1.0285	1.5326	0.0824	1.2210	1.5764	0.0190
165	2.1066	0.8678	0.1239	0.0584	1.0321	1.5355	0.0809	1.2164	1.5757	0.0184
170	1.9118	0.8676	0.0826	0.0391	1.0357	1.5382	0.0799	1.2120	1.5751	0.0179
175	1.6992	0.8675	0.0413	0.0196	1.0392	1.5406	0.0793	1.2078	1.5746	0.0176
180	1.4700	0.8674	0.	0.	1.0428	1.5430	0.0791	1.2037	1.5741	0.0175

GAMMA = 0.6000

ALPHA = 16.000

K = 1.000

DC = 2.1666

XR = 1.1065

BR = 1.484015

TR = 154.09

CR = 2.6893

QR = 0.1505E 04

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9234	1.1772	0.2666	0.9234	1.1772	0.2666			
5	1.0111	0.9201	1.1571	0.2732	0.9268	1.1966	0.2594	2.2314	2.2703	12.3025
10	1.0473	0.9169	1.1360	0.2793	0.9303	1.2151	0.2519	1.9144	1.9793	4.1693
15	1.1020	0.9138	1.1142	0.2848	0.9338	1.2328	0.2440	1.7557	1.8426	2.1635
20	1.1723	0.9108	1.0914	0.2897	0.9375	1.2496	0.2358	1.6540	1.7603	1.3347
25	1.2558	0.9078	1.0678	0.2939	0.9412	1.2657	0.2274	1.5810	1.7050	0.9046
30	1.3509	0.9050	1.0434	0.2973	0.9450	1.2810	0.2188	1.5252	1.6652	0.6507
35	1.4556	0.9022	1.0181	0.3000	0.9489	1.2955	0.2101	1.4805	1.6354	0.4877
40	1.5682	0.8996	0.9920	0.3018	0.9529	1.3093	0.2013	1.4436	1.6124	0.3767
45	1.6869	0.8970	0.9650	0.3028	0.9570	1.3224	0.1924	1.4125	1.5941	0.2979
50	1.8098	0.8945	0.9372	0.3029	0.9612	1.3347	0.1836	1.3858	1.5794	0.2401
55	1.9353	0.8921	0.9086	0.3020	0.9654	1.3464	0.1749	1.3625	1.5674	0.1965
60	2.0613	0.8898	0.8792	0.3002	0.9698	1.3574	0.1663	1.3418	1.5574	0.1630
65	2.1862	0.8876	0.8490	0.2974	0.9742	1.3678	0.1579	1.3234	1.5490	0.1369
70	2.3081	0.8855	0.8181	0.2936	0.9787	1.3776	0.1496	1.3068	1.5418	0.1162
75	2.4252	0.8835	0.7864	0.2888	0.9833	1.3867	0.1416	1.2917	1.5357	0.0996
80	2.5358	0.8816	0.7540	0.2830	0.9881	1.3954	0.1338	1.2778	1.5305	0.0862
85	2.6382	0.8798	0.7209	0.2763	0.9929	1.4035	0.1263	1.2650	1.5259	0.0752
90	2.7309	0.8781	0.6871	0.2685	0.9978	1.4111	0.1192	1.2531	1.5218	0.0663
95	2.8123	0.8764	0.6527	0.2598	1.0029	1.4182	0.1123	1.2419	1.5182	0.0590
100	2.8812	0.8749	0.6176	0.2501	1.0081	1.4249	0.1059	1.2314	1.5150	0.0529
105	2.9365	0.8734	0.5820	0.2395	1.0135	1.4312	0.0998	1.2214	1.5121	0.0480
110	2.9772	0.8721	0.5458	0.2280	1.0191	1.4371	0.0942	1.2118	1.5095	0.0441
115	3.0032	0.8708	0.5091	0.2157	1.0249	1.4427	0.0890	1.2025	1.5070	0.0410
120	3.0146	0.8697	0.4719	0.2025	1.0309	1.4479	0.0844	1.1934	1.5047	0.0386
125	3.0132	0.8686	0.4342	0.1885	1.0373	1.4528	0.0804	1.1845	1.5025	0.0371
130	3.0023	0.8676	0.3961	0.1738	1.0441	1.4576	0.0772	1.1755	1.5004	0.0365
135	2.9904	0.8667	0.3576	0.1585	1.0514	1.4621	0.0751	1.1662	1.4982	0.0370
140	2.9966	0.8659	0.3188	0.1425	1.0596	1.4666	0.0749	1.1565	1.4960	0.0394
145	3.0773	0.8652	0.2796	0.1259	1.0692	1.4711	0.0786	1.1456	1.4936	0.0456
150	3.4949	0.8646	0.2402	0.1089	1.0817	1.4761	0.0958	1.1321	1.4905	0.0654
155	1.2428	0.8641	0.2005	0.0914						
160	1.0490	0.8637	0.1607	0.0736						
165	0.8278	0.8634	0.1207	0.0554						
170	0.5791	0.8631	0.0805	0.0371						
175	0.3030	0.8630	0.0403	0.0186						
180	0.	0.8630	0.	0.						

GAMMA = 0.6000

ALPHA = 16.000

K = 1.200

DC = 2.2120

XR = 1.0972

BR = 1.424497

TR = 115.59

CR = 2.0175

QR = 0.4820E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9256	1.1503	0.2524	0.9256	1.1503	0.2524			
5	1.0146	0.9219	1.1307	0.2589	0.9295	1.1690	0.2454	2.1411	2.1784	11.2531
10	1.0543	0.9182	1.1103	0.2649	0.9335	1.1869	0.2381	1.8390	1.9011	3.8166
15	1.1132	0.9147	1.0891	0.2703	0.9377	1.2040	0.2305	1.6874	1.7706	1.9819
20	1.1886	0.9113	1.0670	0.2752	0.9419	1.2203	0.2226	1.5905	1.6923	1.2240
25	1.2784	0.9080	1.0440	0.2794	0.9463	1.2358	0.2145	1.5207	1.6394	0.8312
30	1.3808	0.9048	1.0203	0.2829	0.9509	1.2506	0.2062	1.4672	1.6014	0.5997
35	1.4940	0.9017	0.9957	0.2856	0.9555	1.2646	0.1980	1.4243	1.5728	0.4513
40	1.6163	0.8988	0.9702	0.2875	0.9604	1.2779	0.1896	1.3887	1.5506	0.3506
45	1.7459	0.8959	0.9439	0.2886	0.9653	1.2905	0.1814	1.3585	1.5328	0.2793
50	1.8811	0.8932	0.9168	0.2888	0.9705	1.3025	0.1732	1.3324	1.5184	0.2273
55	2.0203	0.8906	0.8890	0.2882	0.9758	1.3138	0.1653	1.3094	1.5065	0.1883
60	2.1619	0.8880	0.8603	0.2866	0.9813	1.3244	0.1575	1.2888	1.4964	0.1586
65	2.3045	0.8856	0.8308	0.2840	0.9871	1.3345	0.1501	1.2702	1.4879	0.1357
70	2.4471	0.8833	0.8006	0.2806	0.9931	1.3441	0.1430	1.2531	1.4804	0.1178
75	2.5889	0.8811	0.7697	0.2761	0.9993	1.3531	0.1364	1.2373	1.4739	0.1039
80	2.7299	0.8790	0.7380	0.2707	1.0059	1.3617	0.1304	1.2225	1.4681	0.0933
85	2.8710	0.8771	0.7057	0.2643	1.0130	1.3698	0.1251	1.2083	1.4628	0.0853
90	3.0154	0.8752	0.6726	0.2570	1.0205	1.3776	0.1208	1.1946	1.4579	0.0798
95	3.1704	0.8734	0.6390	0.2487	1.0286	1.3852	0.1181	1.1811	1.4532	0.0768
100	3.3533	0.8717	0.6047	0.2395	1.0377	1.3926	0.1177	1.1673	1.4486	0.0772
105	3.6112	0.8702	0.5699	0.2294	1.0483	1.4000	0.1223	1.1528	1.4438	0.0831
110	4.1273	0.8687	0.5345	0.2185	1.0617	1.4081	0.1413	1.1359	1.4382	0.1037
115	1.9672	0.8673	0.4985	0.2067						
120	1.9690	0.8661	0.4621	0.1941						
125	1.9494	0.8649	0.4252	0.1807						
130	1.9067	0.8639	0.3879	0.1667						
135	1.8396	0.8629	0.3503	0.1520						
140	1.7470	0.8621	0.3122	0.1366						
145	1.6277	0.8613	0.2739	0.1208						
150	1.4809	0.8607	0.2353	0.1044						
155	1.3060	0.8601	0.1964	0.0877						
160	1.1025	0.8597	0.1574	0.0706						
165	0.8700	0.8593	0.1182	0.0532						
170	0.6086	0.8591	0.0789	0.0356						
175	0.3185	0.8589	0.0394	0.0178						
180	0.	0.8589	0.	0.						

GAMMA = 0.6000

ALPHA = 16.000

K = 1.400

DC = 2.2498 XR = 1.0913 BR = 1.379718 TR = 93.82 CR = 1.6375 QR = 0.2487E 03										
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9275	1.1292	0.2422	0.9275	1.1292	0.2422			
5	1.0180	0.9233	1.1100	0.2485	0.9319	1.1475	0.2355	2.0682	2.1041	10.4382
10	1.0614	0.9192	1.0901	0.2544	0.9364	1.1650	0.2285	1.7778	1.8377	3.5432
15	1.1249	0.9153	1.0693	0.2597	0.9411	1.1817	0.2213	1.6322	1.7123	1.8417
20	1.2061	0.9115	1.0477	0.2644	0.9460	1.1977	0.2138	1.5389	1.6371	1.1393
25	1.3033	0.9079	1.0253	0.2685	0.9510	1.2129	0.2062	1.4717	1.5862	0.7759
30	1.4146	0.9044	1.0020	0.2720	0.9563	1.2274	0.1986	1.4199	1.5494	0.5621
35	1.5386	0.9011	0.9779	0.2747	0.9618	1.2411	0.1910	1.3782	1.5216	0.4256
40	1.6737	0.8978	0.9530	0.2767	0.9676	1.2542	0.1835	1.3434	1.4999	0.3334
45	1.8186	0.8948	0.9272	0.2778	0.9736	1.2667	0.1763	1.3136	1.4824	0.2686
50	1.9722	0.8918	0.9007	0.2781	0.9799	1.2785	0.1693	1.2876	1.4679	0.2217
55	2.1341	0.8889	0.8733	0.2776	0.9866	1.2898	0.1629	1.2644	1.4558	0.1872
60	2.3045	0.8862	0.8452	0.2761	0.9937	1.3006	0.1570	1.2433	1.4453	0.1616
65	2.4852	0.8836	0.8163	0.2738	1.0012	1.3109	0.1522	1.2237	1.4361	0.1429
70	2.6805	0.8811	0.7867	0.2705	1.0095	1.3209	0.1486	1.2053	1.4279	0.1299
75	2.9012	0.8788	0.7563	0.2663	1.0186	1.3306	0.1473	1.1874	1.4202	0.1222
80	3.1726	0.8765	0.7252	0.2611	1.0289	1.3403	0.1499	1.1695	1.4127	0.1209
85	3.5721	0.8744	0.6935	0.2550	1.0413	1.3503	0.1615	1.1506	1.4050	0.1303
90	4.4784	0.8724	0.6611	0.2480	1.0581	1.3618	0.2066	1.1282	1.3959	0.1746
95	1.8531	0.8705	0.6280	0.2401						
100	1.9277	0.8687	0.5944	0.2312						
105	1.9870	0.8670	0.5601	0.2215						
110	2.0291	0.8655	0.5253	0.2110						
115	2.0522	0.8640	0.4900	0.1996						
120	2.0544	0.8627	0.4543	0.1875						
125	2.0341	0.8615	0.4180	0.1746						
130	1.9898	0.8604	0.3814	0.1610						
135	1.9200	0.8593	0.3443	0.1468						
140	1.8234	0.8584	0.3070	0.1320						
145	1.6991	0.8576	0.2693	0.1167						
150	1.5459	0.8570	0.2313	0.1009						
155	1.3634	0.8564	0.1931	0.0848						
160	1.1510	0.8559	0.1547	0.0682						
165	0.9083	0.8555	0.1162	0.0514						
170	0.6354	0.8553	0.0775	0.0344						
175	0.3325	0.8551	0.0388	0.0172						
180	0.	0.8550	0.	0.						

GAMMA = 0.6000

ALPHA = 16.000

K = 1.600

DC = 2.2823 XR = 1.0871 BR = 1.344822 TR = 79.42 CR = 1.3861 QR = 0.1585E 03										
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9291	1.1122	0.2349	0.9291	1.1122	0.2349			
5	1.0215	0.9244	1.0934	0.2409	0.9339	1.1302	0.2286	2.0072	2.0420	9.7821
10	1.0686	0.9200	1.0737	0.2465	0.9389	1.1475	0.2220	1.7267	1.7847	3.3233
15	1.1372	0.9157	1.0533	0.2516	0.9442	1.1640	0.2152	1.5862	1.6638	1.7295
20	1.2251	0.9116	1.0320	0.2562	0.9497	1.1798	0.2083	1.4958	1.5909	1.0724
25	1.3310	0.9077	1.0100	0.2602	0.9555	1.1948	0.2015	1.4305	1.5415	0.7331
30	1.4534	0.9039	0.9871	0.2635	0.9616	1.2092	0.1947	1.3800	1.5057	0.5342
35	1.5912	0.9003	0.9634	0.2662	0.9680	1.2229	0.1882	1.3391	1.4784	0.4078
40	1.7438	0.8968	0.9388	0.2681	0.9748	1.2361	0.1821	1.3047	1.4568	0.3232
45	1.9113	0.8935	0.9135	0.2693	0.9820	1.2487	0.1766	1.2749	1.4392	0.2645
50	2.0951	0.8903	0.8874	0.2697	0.9898	1.2608	0.1721	1.2484	1.4244	0.2232
55	2.2994	0.8873	0.8605	0.2692	0.9983	1.2725	0.1690	1.2243	1.4117	0.1944
60	2.5337	0.8844	0.8328	0.2678	1.0077	1.2840	0.1683	1.2018	1.4002	0.1756
65	2.8215	0.8816	0.8044	0.2656	1.0183	1.2955	0.1719	1.1799	1.3896	0.1667
70	3.2303	0.8790	0.7752	0.2624	1.0311	1.3074	0.1851	1.1575	1.3790	0.1714
75	4.0641	0.8765	0.7453	0.2584	1.0483	1.3209	0.2316	1.1322	1.3672	0.2122
80	1.6159	0.8741	0.7147	0.2534						
85	1.7287	0.8719	0.6834	0.2477						
90	1.8318	0.8697	0.6515	0.2407						
95	1.9232	0.8677	0.6189	0.2331						
100	2.0009	0.8659	0.5858	0.2245						
105	2.0627	0.8641	0.5521	0.2151						
110	2.1066	0.8625	0.5178	0.2049						
115	2.1307	0.8609	0.4830	0.1939						
120	2.1332	0.8595	0.4477	0.1821						
125	2.1123	0.8582	0.4120	0.1696						
130	2.0664	0.8571	0.3759	0.1564						
135	1.9940	0.8560	0.3394	0.1426						
140	1.8938	0.8551	0.3026	0.1283						
145	1.7647	0.8542	0.2654	0.1134						
150	1.6058	0.8535	0.2280	0.0981						
155	1.4162	0.8529	0.1904	0.0823						
160	1.1956	0.8524	0.1525	0.0663						
165	0.9435	0.8520	0.1145	0.0500						
170	0.6601	0.8517	0.0764	0.0334						
175	0.3454	0.8516	0.0382	0.0167						
180	0.	0.8515	0.	0.						

GAMMA = 0.6000

ALPHA = 16.000

K = 1.800

DC = 2.3108

XR = 1.0840

BR = 1.316857

TR = 69.05

CR = 1.2052

QR = 0.1133E 03

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9304	1.0982	0.2296	0.9304	1.0982	0.2296			
5	1.0249	0.9254	1.0795	0.2352	0.9357	1.1160	0.2237	1.9552	1.9890	9.2390
10	1.0761	0.9205	1.0601	0.2405	0.9413	1.1332	0.2176	1.6831	1.7395	3.1417
15	1.1502	0.9159	1.0399	0.2454	0.9471	1.1496	0.2115	1.5468	1.6223	1.6377
20	1.2460	0.9115	1.0190	0.2497	0.9533	1.1653	0.2054	1.4587	1.5513	1.0185
25	1.3622	0.9073	0.9972	0.2536	0.9598	1.1803	0.1996	1.3950	1.5031	0.6997
30	1.4983	0.9033	0.9746	0.2568	0.9667	1.1948	0.1941	1.3454	1.4679	0.5137
35	1.6543	0.8994	0.9512	0.2594	0.9742	1.2087	0.1893	1.3049	1.4409	0.3965
40	1.8317	0.8957	0.9270	0.2613	0.9822	1.2222	0.1855	1.2705	1.4192	0.3192
45	2.0348	0.8922	0.9020	0.2624	0.9910	1.2352	0.1833	1.2402	1.4012	0.2674
50	2.2737	0.8889	0.8762	0.2627	1.0007	1.2481	0.1838	1.2127	1.3856	0.2338
55	2.5734	0.8856	0.8497	0.2623	1.0120	1.2611	0.1895	1.1866	1.3714	0.2156
60	3.0075	0.8826	0.8223	0.2610	1.0255	1.2746	0.2070	1.1605	1.3577	0.2166
65	3.9260	0.8797	0.7943	0.2588	1.0441	1.2903	0.2679	1.1313	1.3426	0.2658
70	1.4159	0.8769	0.7655	0.2558						
75	1.5461	0.8743	0.7360	0.2518						
80	1.6707	0.8718	0.7058	0.2470						
85	1.7874	0.8694	0.6749	0.2413						
90	1.8942	0.8670	0.6434	0.2347						
95	1.9889	0.8651	0.6112	0.2272						
100	2.0693	0.8631	0.5785	0.2189						
105	2.1333	0.8613	0.5452	0.2098						
110	2.1789	0.8596	0.5114	0.1998						
115	2.2039	0.8580	0.4770	0.1891						
120	2.2066	0.8565	0.4422	0.1776						
125	2.1851	0.8552	0.4069	0.1654						
130	2.1377	0.8540	0.3713	0.1526						
135	2.0629	0.8529	0.3352	0.1391						
140	1.9593	0.8519	0.2988	0.1251						
145	1.8258	0.8510	0.2622	0.1106						
150	1.6614	0.8503	0.2252	0.0957						
155	1.4633	0.8496	0.1880	0.0803						
160	1.2370	0.8491	0.1506	0.0647						
165	0.9762	0.8487	0.1131	0.0487						
170	0.6830	0.8484	0.0755	0.0326						
175	0.3574	0.8482	0.0378	0.0163						
180	0.	0.8482	0.	0.						

GAMMA = 0.6000

ALPHA = 16.000

K = 2.000

DC = 2.3361

XR = 1.0816

BR = 1.293941

TR = 61.19

CR = 1.0679

QR = 0.8708E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9316	1.0864	0.2258	0.9316	1.0864	0.2258			
5	1.0284	0.9261	1.0679	0.2310	0.9373	1.1042	0.2204	1.9100	1.9430	8.7800
10	1.0838	0.9210	1.0486	0.2359	0.9434	1.1212	0.2150	1.6453	1.7003	2.9887
15	1.1642	0.9160	1.0286	0.2405	0.9498	1.1377	0.2097	1.5121	1.5858	1.5610
20	1.2688	0.9113	1.0078	0.2446	0.9566	1.1534	0.2046	1.4264	1.5168	0.9744
25	1.3974	0.9069	0.9863	0.2483	0.9639	1.1686	0.2001	1.3638	1.4695	0.6736
30	1.5507	0.9026	0.9639	0.2514	0.9718	1.1833	0.1965	1.3149	1.4347	0.4993
35	1.7312	0.8985	0.9408	0.2538	0.9805	1.1977	0.1942	1.2744	1.4076	0.3910
40	1.9458	0.8946	0.9168	0.2556	0.9900	1.2117	0.1943	1.2395	1.3855	0.3220
45	2.2109	0.8909	0.8921	0.2567	1.0008	1.2257	0.1987	1.2080	1.3665	0.2797
50	2.5707	0.8874	0.8666	0.2570	1.0136	1.2402	0.2119	1.1782	1.3493	0.2609
55	3.1858	0.8840	0.8403	0.2565	1.0301	1.2561	0.2503	1.1475	1.3321	0.2770
60	5.8576	0.8808	0.8133	0.2552	1.0582	1.2783	0.4992	1.1075	1.3095	0.5105
65	1.3217	0.8778	0.7856	0.2531						
70	1.4597	0.8749	0.7571	0.2501						
75	1.5940	0.8721	0.7279	0.2463						
80	1.7224	0.8695	0.6980	0.2416						
85	1.8428	0.8671	0.6675	0.2360						
90	1.9530	0.8648	0.6364	0.2296						
95	2.0507	0.8626	0.6046	0.2223						
100	2.1337	0.8605	0.5722	0.2141						
105	2.1997	0.8586	0.5393	0.2052						
110	2.2468	0.8569	0.5058	0.1954						
115	2.2727	0.8552	0.4718	0.1850						
120	2.2755	0.8537	0.4374	0.1737						
125	2.2534	0.8523	0.4025	0.1618						
130	2.2046	0.8510	0.3672	0.1493						
135	2.1275	0.8499	0.3316	0.1361						
140	2.0207	0.8489	0.2956	0.1224						
145	1.8830	0.8480	0.2593	0.1082						
150	1.7135	0.8472	0.2228	0.0936						
155	1.5112	0.8465	0.1860	0.0786						
160	1.2758	0.8460	0.1490	0.0633						
165	1.0069	0.8456	0.1119	0.0477						
170	0.7044	0.8453	0.0747	0.0319						
175	0.3686	0.8451	0.0373	0.0160						
180	0.	0.8451	0.	0.						

GAMMA=0.6000 ALPHA=16.000 K= 2.20

DC= 2.3589 XR= 1.07962 BR= 1.27482
TR=54.9849 CR= 0.95967 QR=70.19089

THETA	ST	K1	B1	S1
0	1.0000	0.9326	1.0764	0.2231
5	1.0319	0.9268	1.0579	0.2278
10	1.0918	0.9213	1.0388	0.2324
15	1.1791	0.9160	1.0189	0.2366
20	1.2940	0.9111	0.9982	0.2405
25	1.4374	0.9063	0.9768	0.2439
30	1.6125	0.9018	0.9546	0.2468
35	1.8274	0.8976	0.9317	0.2492
40	2.1020	0.8935	0.9080	0.2509
45	2.4931	0.8896	0.8835	0.2519
50	3.2373	0.8859	0.8582	0.2521
55	1.0726	0.8824	0.8322	0.2516
60	1.2159	0.8791	0.8055	0.2504
65	1.3596	0.8759	0.7780	0.2483
70	1.5015	0.8729	0.7498	0.2453
75	1.6396	0.8700	0.7209	0.2415
80	1.7716	0.8674	0.6913	0.2369
85	1.8955	0.8648	0.6611	0.2314
90	2.0088	0.8624	0.6302	0.2251
95	2.1092	0.8602	0.5987	0.2180
100	2.1946	0.8581	0.5667	0.2100
105	2.2626	0.8561	0.5340	0.2012
110	2.3110	0.8543	0.5009	0.1917
115	2.3376	0.8526	0.4673	0.1814
120	2.3406	0.8510	0.4332	0.1704
125	2.3178	0.8496	0.3986	0.1587
130	2.2676	0.8483	0.3637	0.1464
135	2.1883	0.8471	0.3284	0.1335
140	2.0785	0.8460	0.2927	0.1201
145	1.9369	0.8451	0.2568	0.1062
150	1.7625	0.8443	0.2206	0.0918
155	1.5645	0.8436	0.1842	0.0771
160	1.3124	0.8431	0.1476	0.0620
165	1.0357	0.8426	0.1108	0.0468
170	0.7246	0.8423	0.0739	0.0313
175	0.3792	0.8422	0.0370	0.0157
180	0.	0.8421	0.	0.

GAMMA=0.6000 ALPHA=16.000 K= 2.60

DC= 2.13986 XR= 1.07669 BR= 1.24470
TR=45.17964 CR= 0.79930 QR=50.07626

THETA	ST	K1	B1	S1
0	1.0000	0.9343	1.0601	0.2204
5	1.0389	0.9277	1.0417	0.2239
10	1.1088	0.9216	1.0226	0.2276
15	1.2123	0.9158	1.0028	0.2311
20	1.3525	0.9103	0.9824	0.2344
25	1.5356	0.9051	0.9612	0.2374
30	1.7777	0.9002	0.9393	0.2399
35	2.1233	0.8956	0.9166	0.2419
40	2.7435	0.8912	0.8932	0.2433
45	0.8373	0.8870	0.8691	0.2442
50	0.9812	0.8830	0.8442	0.2443
55	1.1294	0.8793	0.8186	0.2437
60	1.2799	0.8757	0.7922	0.2424
65	1.4307	0.8723	0.7652	0.2403
70	1.5798	0.8691	0.7374	0.2374
75	1.7248	0.8661	0.7090	0.2337
80	1.8635	0.8632	0.6799	0.2292
85	1.9936	0.8605	0.6501	0.2239
90	2.1126	0.8580	0.6198	0.2178
95	2.2181	0.8556	0.5888	0.2109
100	2.3078	0.8534	0.5573	0.2031
105	2.3792	0.8513	0.5252	0.1946
110	2.4300	0.8494	0.4926	0.1854
115	2.4580	0.8476	0.4595	0.1754
120	2.4610	0.8460	0.4260	0.1648
125	2.4371	0.8445	0.3920	0.1535
130	2.3843	0.8431	0.3577	0.1416
135	2.3009	0.8418	0.3229	0.1291
140	2.1854	0.8407	0.2879	0.1161
145	2.0365	0.8398	0.2526	0.1027
150	1.8531	0.8389	0.2170	0.0888
155	1.6344	0.8382	0.1811	0.0746
160	1.3798	0.8377	0.1451	0.0600
165	1.0890	0.8372	0.1090	0.0452
170	0.7618	0.8369	0.0727	0.0303
175	0.3987	0.8367	0.0364	0.0152
180	0.	0.8366	0.	0.

GAMMA=0.6000 ALPHA=16.000 K= 3.00

DC= 2.4325 XR= 1.07457 BR= 1.22205
TR=39.12886 CR= 0.68571 QR=38.68466

THETA	ST	K1	B1	S1
0	1.0000	0.9357	1.0476	0.2200
5	1.0461	0.9284	1.0290	0.2223
10	1.1274	0.9216	1.0099	0.2249
15	1.2507	0.9153	0.9901	0.2276
20	1.4246	0.9094	0.9697	0.2302
25	1.6689	0.9038	0.9487	0.2327
30	2.0439	0.8985	0.9269	0.2348
35	2.8302	0.8936	0.9045	0.2365
40	0.7336	0.8889	0.8813	0.2376
45	0.8777	0.8844	0.8574	0.2382
50	1.0279	0.8802	0.8328	0.2382
55	1.1825	0.8762	0.8075	0.2376
60	1.3395	0.8725	0.7814	0.2362
65	1.4968	0.8689	0.7547	0.2341
70	1.6523	0.8655	0.7273	0.2312
75	1.8036	0.8624	0.6993	0.2275
80	1.9483	0.8594	0.6705	0.2231
85	2.0839	0.8566	0.6412	0.2179
90	2.2080	0.8539	0.6112	0.2119
95	2.3181	0.8514	0.5807	0.2051
100	2.4115	0.8491	0.5496	0.1976
105	2.4859	0.8469	0.5179	0.1893
110	2.5389	0.8449	0.4858	0.1803
115	2.5680	0.8431	0.4532	0.1706
120	2.5710	0.8414	0.4201	0.1605
125	2.5459	0.8398	0.3866	0.1493
130	2.4906	0.8384	0.3527	0.1377
135	2.4034	0.8371	0.3185	0.1256
140	2.2827	0.8359	0.2839	0.1129
145	2.1272	0.8349	0.2490	0.0998
150	1.9356	0.8341	0.2139	0.0863
155	1.7071	0.8333	0.1786	0.0725
160	1.4412	0.8327	0.1431	0.0584
165	1.1374	0.8323	0.1075	0.0440
170	0.7957	0.8319	0.0717	0.0294
175	0.4164	0.8317	0.0359	0.0147
180	0.	0.8317	0.	0.

GAMMA=0.6000 ALPHA=16.000 K= 4.00

DC= 2.5004 XR= 1.07120 BR= 1.18418
TR=29.10524 CR= 0.50706 QR=24.46628

THETA	ST	K1	B1	S1
0	1.0000	0.9381	1.0258	0.2255
5	1.0650	0.9292	1.0065	0.2236
10	1.1821	0.9210	0.9870	0.2232
15	1.3768	0.9135	0.9670	0.2237
20	1.7061	0.9066	0.9466	0.2246
25	2.4442	0.9002	0.9256	0.2257
30	0.5249	0.8942	0.9040	0.2267
35	0.6638	0.8885	0.8818	0.2275
40	0.8127	0.8832	0.8590	0.2280
45	0.9700	0.8783	0.8355	0.2280
50	1.1339	0.8736	0.8114	0.2276
55	1.3025	0.8692	0.7866	0.2266
60	1.4736	0.8651	0.7611	0.2250
65	1.6450	0.8611	0.7350	0.2228
70	1.8143	0.8575	0.7082	0.2198
75	1.9790	0.8540	0.6808	0.2162
80	2.1365	0.8507	0.6528	0.2119
85	2.2840	0.8477	0.6241	0.2068
90	2.4190	0.8448	0.5949	0.2011
95	2.5386	0.8421	0.5652	0.1946
100	2.6401	0.8396	0.5349	0.1874
105	2.7208	0.8373	0.5040	0.1795
110	2.7780	0.8351	0.4727	0.1709
115	2.8093	0.8331	0.4410	0.1617
120	2.8121	0.8313	0.4087	0.1518
125	2.7842	0.8296	0.3761	0.1414
130	2.7233	0.8281	0.3432	0.1304
135	2.6277	0.8267	0.3098	0.1189
140	2.4955	0.8255	0.2762	0.1069
145	2.3252	0.8244	0.2423	0.0945
150	2.1156	0.8235	0.2081	0.0817
155	1.8658	0.8227	0.1738	0.0686
160	1.5751	0.8221	0.1392	0.0552
165	1.2430	0.8216	0.1045	0.0416
170	0.8696	0.8212	0.0698	0.0278
175	0.4550	0.8210	0.0349	0.0139
180	0.	0.8209	0.	0.

GAMMA=0.6000 ALPHA=16.000 K= 6.00

DC= 2.5967 XR= 1.06788 BR= 1.14486
TR=19.1491 CR= 0.33421 QR=14.01012

THETA	ST	X1	B1	S1
0	1.0000	0.9409	1.0021	0.2488
5	1.1082	0.9289	0.9808	0.2360
10	1.3418	0.9183	0.9600	0.2287
15	1.9293	0.9090	0.9392	0.2243
20	0.3422	0.9006	0.9182	0.2217
25	0.4749	0.8929	0.8970	0.2201
30	0.6213	0.8858	0.8754	0.2191
35	0.7801	0.8792	0.8533	0.2183
40	0.9497	0.8731	0.8307	0.2175
45	1.1283	0.8674	0.8076	0.2166
50	1.3141	0.8621	0.7839	0.2154
55	1.5048	0.8572	0.7596	0.2138
60	1.6981	0.8526	0.7348	0.2117
65	1.8916	0.8481	0.7094	0.2091
70	2.0825	0.8440	0.6833	0.2060
75	2.2681	0.8402	0.6567	0.2023
80	2.4453	0.8366	0.6296	0.1980
85	2.6113	0.8332	0.6018	0.1931
90	2.7629	0.8301	0.5736	0.1875
95	2.8971	0.8272	0.5448	0.1813
100	3.0108	0.8244	0.5155	0.1745
105	3.1008	0.8219	0.4857	0.1670
110	3.1643	0.8195	0.4555	0.1589
115	3.1984	0.8174	0.4249	0.1503
120	3.2002	0.8154	0.3938	0.1411
125	3.1672	0.8135	0.3623	0.1313
130	3.0970	0.8119	0.3305	0.1211
135	2.9874	0.8104	0.2984	0.1104
140	2.8364	0.8091	0.2660	0.0992
145	2.6423	0.8079	0.2333	0.0877
150	2.4038	0.8069	0.2004	0.0758
155	2.1196	0.8061	0.1673	0.0636
160	1.7891	0.8054	0.1341	0.0512
165	1.4117	0.8049	0.1007	0.0386
170	0.9875	0.8046	0.0672	0.0258
175	0.5167	0.8043	0.0336	0.0129
180	0.	0.8042	0.	0.

GAMMA=0.6000 ALPHA=16.000 K= 8.00

DC= 2.6660 XR= 1.06623 BR= 1.12462
TR=14.2945 CR= 0.26949 QR= 9.80051

THETA	ST	X1	B1	S1
0	1.0000	0.9425	0.9895	0.2790
5	1.1621	0.9275	0.9659	0.2522
10	1.6368	0.9151	0.9436	0.2372
15	0.2640	0.9042	0.9219	0.2280
20	0.3961	0.8947	0.9003	0.2222
25	0.5438	0.8860	0.8787	0.2183
30	0.7058	0.8782	0.8569	0.2156
35	0.8807	0.8710	0.8348	0.2134
40	1.0669	0.8644	0.8123	0.2116
45	1.2625	0.8582	0.7893	0.2099
50	1.4656	0.8525	0.7659	0.2080
55	1.6738	0.8472	0.7419	0.2059
60	1.8847	0.8422	0.7174	0.2035
65	2.0955	0.8375	0.6924	0.2007
70	2.3034	0.8332	0.6668	0.1974
75	2.5053	0.8291	0.6407	0.1936
80	2.6980	0.8253	0.6141	0.1892
85	2.8782	0.8217	0.5870	0.1843
90	3.0427	0.8184	0.5593	0.1788
95	3.1881	0.8153	0.5312	0.1728
100	3.3109	0.8124	0.5025	0.1661
105	3.4080	0.8098	0.4735	0.1589
110	3.4760	0.8073	0.4440	0.1512
115	3.5118	0.8050	0.4140	0.1429
120	3.5124	0.8030	0.3837	0.1341
125	3.4750	0.8011	0.3531	0.1248
130	3.3970	0.7993	0.3221	0.1150
135	3.2758	0.7978	0.2907	0.1048
140	3.1095	0.7964	0.2591	0.0942
145	2.8962	0.7952	0.2273	0.0832
150	2.6343	0.7942	0.1952	0.0720
155	2.3225	0.7933	0.1630	0.0604
160	1.9601	0.7926	0.1306	0.0486
165	1.5466	0.7920	0.0981	0.0366
170	1.0818	0.7916	0.0654	0.0245
175	0.5660	0.7914	0.0327	0.0123
180	0.	0.7913	0.	0.

GAMMA=0.6000 ALPHA=16.000 K= 10.00

DC= 2.7208 XR= 1.06525 BR= 1.11228
TR=11.4070 CR= 0.19909 QR= 7.53402

THETA	ST	X1	B1	S1
0	1.0000	0.9434	0.9816	0.3121
5	1.2307	0.9258	0.9557	0.2688
10	2.4772	0.9116	0.9320	0.2459
15	0.3006	0.8996	0.9094	0.2322
20	0.4454	0.8892	0.8873	0.2235
25	0.6061	0.8798	0.8653	0.2176
30	0.7814	0.8714	0.8433	0.2134
35	0.9699	0.8638	0.8211	0.2102
40	1.1701	0.8567	0.7986	0.2076
45	1.3800	0.8502	0.7757	0.2052
50	1.5977	0.8442	0.7524	0.2028
55	1.8206	0.8386	0.7287	0.2003
60	2.0462	0.8334	0.7044	0.1976
65	2.2715	0.8286	0.6797	0.1945
70	2.4935	0.8240	0.6545	0.1911
75	2.7089	0.8198	0.6287	0.1872
80	2.9144	0.8158	0.6025	0.1828
85	3.1064	0.8122	0.5758	0.1779
90	3.2815	0.8087	0.5486	0.1725
95	3.4360	0.8055	0.5209	0.1666
100	3.5664	0.8026	0.4928	0.1601
105	3.6691	0.7998	0.4642	0.1531
110	3.7406	0.7973	0.4353	0.1455
115	3.7777	0.7949	0.4059	0.1375
120	3.7770	0.7928	0.3762	0.1290
125	3.7357	0.7908	0.3461	0.1200
130	3.6508	0.7890	0.3157	0.1105
135	3.5198	0.7874	0.2849	0.1007
140	3.3404	0.7860	0.2540	0.0905
145	3.1106	0.7848	0.2228	0.0800
150	2.8289	0.7837	0.1913	0.0691
155	2.4938	0.7828	0.1597	0.0580
160	2.1045	0.7821	0.1280	0.0467
165	1.6604	0.7815	0.0961	0.0352
170	1.1613	0.7811	0.0641	0.0235
175	0.6076	0.7809	0.0321	0.0118
180	0.	0.7808	0.	0.

GAMMA=0.6000 ALPHA=16.000 K= 20.00

DC= 2.8993 XR= 1.06328 BR= 1.08713
TR= 4.6789 CR= 0.08166 QR= 3.49305

THETA	ST	X1	B1	S1
0	1.0000	0.9450	0.9646	0.4771
5	0.1193	0.9163	0.9283	0.3387
10	0.2782	0.8961	0.8992	0.2792
15	0.4638	0.8803	0.8734	0.2479
20	0.6456	0.8671	0.8493	0.2291
25	0.8534	0.8557	0.8261	0.2167
30	1.0767	0.8458	0.8034	0.2076
35	1.3144	0.8368	0.7808	0.2015
40	1.5649	0.8287	0.7583	0.1963
45	1.8263	0.8213	0.7356	0.1920
50	2.0961	0.8146	0.7127	0.1882
55	2.3714	0.8083	0.6895	0.1845
60	2.6490	0.8026	0.6660	0.1809
65	2.9256	0.7972	0.6421	0.1772
70	3.1973	0.7922	0.6178	0.1733
75	3.4603	0.7876	0.5932	0.1691
80	3.7104	0.7833	0.5681	0.1646
85	3.9435	0.7793	0.5426	0.1597
90	4.1551	0.7756	0.5167	0.1544
95	4.3410	0.7722	0.4904	0.1488
100	4.4967	0.7690	0.4638	0.1427
105	4.6180	0.7660	0.4367	0.1362
110	4.7007	0.7633	0.4093	0.1293
115	4.7406	0.7608	0.3816	0.1220
120	4.7339	0.7585	0.3536	0.1143
125	4.6770	0.7564	0.3252	0.1062
130	4.5662	0.7545	0.2965	0.0978
135	4.3986	0.7528	0.2676	0.0890
140	4.1714	0.7513	0.2385	0.0799
145	3.8920	0.7500	0.2092	0.0706
150	3.5285	0.7488	0.1796	0.0610
155	3.1091	0.7479	0.1499	0.0511
160	2.6228	0.7471	0.1201	0.0411
165	2.0687	0.7465	0.0902	0.0310
170	1.4466	0.7461	0.0602	0.0207
175	0.7568	0.7458	0.0301	0.0104
180	0.	0.7457	0.	0.

GAMMA = 0.8000

ALPHA = 10.000

K = 0.200

DC = 1.8004 XD = 1.6933 BO = 2.206780 W2 = -0.3378E 01										
THEY'A	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8744	1.5050	0.5159	0.8744	1.5050	0.5487			
5	1.0170	0.8727	1.4747	0.5196	0.8761	1.5385	0.5441	3.2239	3.2797	25.1576
10	1.0339	0.8711	1.4435	0.5223	0.8777	1.5632	0.5389	2.7748	2.8678	8.5662
15	1.1076	0.8695	1.4115	0.5241	0.8794	1.5910	0.5330	2.5496	2.6742	4.4387
20	1.1756	0.8679	1.3787	0.5248	0.8811	1.6180	0.5266	2.4053	2.5579	2.7373
25	1.2580	0.8663	1.3451	0.5245	0.8828	1.6441	0.5196	2.3021	2.4800	1.8524
30	1.3471	0.8648	1.3107	0.5231	0.8845	1.6695	0.5120	2.2231	2.4242	1.3282
35	1.4475	0.8633	1.2755	0.5205	0.8862	1.6940	0.5041	2.1601	2.3825	0.9905
40	1.5555	0.8618	1.2395	0.5168	0.8878	1.7176	0.4958	2.1084	2.3505	0.7598
45	1.6696	0.8603	1.2027	0.5120	0.8895	1.7405	0.4871	2.0651	2.3253	0.5952
50	1.7885	0.8589	1.1652	0.5060	0.8912	1.7626	0.4782	2.0281	2.3053	0.4740
55	1.9106	0.8575	1.1269	0.4988	0.8928	1.7839	0.4691	1.9961	2.2891	0.3823
60	2.0345	0.8562	1.0879	0.4904	0.8945	1.8043	0.4599	1.9682	2.2759	0.3116
65	2.1588	0.8549	1.0482	0.4808	0.8961	1.8241	0.4506	1.9436	2.2651	0.2562
70	2.2822	0.8535	1.0079	0.4700	0.8977	1.8431	0.4412	1.9218	2.2561	0.2121
75	2.4032	0.8524	0.9668	0.4581	0.8992	1.8619	0.4318	1.9023	2.2486	0.1766
80	2.5205	0.8512	0.9252	0.4450	0.9008	1.8788	0.4226	1.8849	2.2423	0.1478
85	2.6329	0.8501	0.8829	0.4308	0.9023	1.8955	0.4134	1.8692	2.2370	0.1243
90	2.7391	0.8490	0.8400	0.4154	0.9038	1.9117	0.4045	1.8549	2.2326	0.1049
95	2.8380	0.8480	0.7966	0.3990	0.9053	1.9271	0.3957	1.8421	2.2288	0.0888
100	2.9285	0.8470	0.7526	0.3815	0.9068	1.9419	0.3873	1.8303	2.2256	0.0754
105	3.0097	0.8461	0.7081	0.3630	0.9082	1.9560	0.3791	1.8197	2.2229	0.0643
110	3.0805	0.8452	0.6632	0.3435	0.9095	1.9695	0.3713	1.8099	2.2206	0.0549
115	3.1402	0.8444	0.6178	0.3231	0.9109	1.9824	0.3638	1.8010	2.2187	0.0471
120	3.1880	0.8437	0.5719	0.3018	0.9122	1.9947	0.3568	1.7928	2.2170	0.0405
125	3.2233	0.8430	0.5257	0.2797	0.9135	2.0064	0.3502	1.7853	2.2155	0.0349
130	3.2457	0.8423	0.4790	0.2568	0.9147	2.0175	0.3441	1.7784	2.2143	0.0303
135	3.2547	0.8418	0.4321	0.2332	0.9159	2.0282	0.3385	1.7721	2.2133	0.0264
140	3.2500	0.8413	0.3849	0.2090	0.9171	2.0383	0.3335	1.7662	2.2123	0.0231
145	3.2316	0.8406	0.3373	0.1842	0.9182	2.0479	0.3289	1.7608	2.2116	0.0204
150	3.1995	0.8400	0.2896	0.1588	0.9193	2.0571	0.3250	1.7558	2.2109	0.0182
155	3.1537	0.8390	0.2416	0.1330	0.9203	2.0658	0.3216	1.7512	2.2103	0.0164
160	3.0945	0.8397	0.1935	0.1069	0.9214	2.0740	0.3188	1.7470	2.2098	0.0150
165	3.0225	0.8395	0.1493	0.0804	0.9223	2.0818	0.3167	1.7431	2.2094	0.0140
170	2.9381	0.8394	0.0969	0.0537	0.9233	2.0892	0.3151	1.7395	2.2091	0.0133
175	2.8422	0.8393	0.0485	0.0269	0.9242	2.0963	0.3142	1.7361	2.2087	0.0128
180	2.7356	0.8392	0.	0.	0.9250	2.1029	0.3139	1.7330	2.2085	0.0127

GAMMA = 0.8000

ALPHA = 10.000

K = 0.400

DC = 2.0196 XD = 1.4468 BO = 1.910681 W2 = -0.3581E 01										
THEY'A	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8841	1.3327	0.3953	0.8841	1.3327	0.4218			
5	1.0335	0.8815	1.3064	0.3993	0.8868	1.3582	0.4172	2.7682	2.8154	18.0253
10	1.0807	0.8788	1.2793	0.4025	0.8896	1.3829	0.4120	2.3926	2.4715	6.1514
15	1.1446	0.8762	1.2515	0.4048	0.8924	1.4068	0.4062	2.2039	2.3098	3.2049
20	1.2235	0.8737	1.2229	0.4063	0.8952	1.4300	0.3999	2.0829	2.2128	1.9821
25	1.3157	0.8712	1.1935	0.4070	0.8980	1.4523	0.3932	1.9958	2.1474	1.3451
30	1.4193	0.8688	1.1634	0.4067	0.9009	1.4739	0.3861	1.9290	2.1005	0.9679
35	1.5326	0.8664	1.1325	0.4055	0.9038	1.4947	0.3786	1.8756	2.0654	0.7246
40	1.6537	0.8641	1.1009	0.4034	0.9067	1.5147	0.3708	1.8316	2.0383	0.5582
45	1.7809	0.8619	1.0686	0.4003	0.9096	1.5340	0.3628	1.7945	2.0170	0.4395
50	1.9125	0.8597	1.0355	0.3962	0.9125	1.5526	0.3545	1.7627	1.9999	0.3519
55	2.0468	0.8576	1.0018	0.3911	0.9154	1.5704	0.3462	1.7351	1.9860	0.2856
60	2.1823	0.8555	0.9674	0.3851	0.9183	1.5875	0.3377	1.7109	1.9746	0.2343
65	2.3171	0.8535	0.9323	0.3780	0.9212	1.6039	0.3292	1.6894	1.9652	0.1940
70	2.4498	0.8516	0.8966	0.3700	0.9241	1.6196	0.3208	1.6702	1.9573	0.1618
75	2.5787	0.8498	0.8603	0.3610	0.9270	1.6346	0.3124	1.6531	1.9507	0.1359
80	2.7026	0.8480	0.8234	0.3510	0.9299	1.6489	0.3041	1.6376	1.9451	0.1148
85	2.8198	0.8464	0.7859	0.3401	0.9327	1.6626	0.2959	1.6235	1.9404	0.0975
90	2.9291	0.8448	0.7479	0.3282	0.9355	1.6757	0.2879	1.6107	1.9364	0.0831
95	3.0292	0.8432	0.7093	0.3155	0.9383	1.6882	0.2802	1.5991	1.9329	0.0712
100	3.1190	0.8418	0.6703	0.3018	0.9411	1.7001	0.2727	1.5884	1.9300	0.0612
105	3.1973	0.8404	0.6307	0.2874	0.9439	1.7114	0.2656	1.5785	1.9274	0.0528
110	3.2632	0.8392	0.5908	0.2721	0.9466	1.7222	0.2587	1.5695	1.9253	0.0457
115	3.3142	0.8380	0.5504	0.2561	0.9492	1.7324	0.2520	1.5612	1.9234	0.0397
120	3.3530	0.8369	0.5096	0.2393	0.9518	1.7422	0.2459	1.5535	1.9217	0.0347
125	3.3769	0.8358	0.4684	0.2219	0.9544	1.7514	0.2403	1.5464	1.9203	0.0304
130	3.3857	0.8349	0.4269	0.2038	0.9570	1.7602	0.2350	1.5398	1.9191	0.0268
135	3.3790	0.8341	0.3851	0.1851	0.9595	1.7685	0.2302	1.5337	1.9180	0.0237
140	3.3564	0.8333	0.3430	0.1659	0.9619	1.7764	0.2259	1.5280	1.9171	0.0212
145	3.3180	0.8326	0.3007	0.1462	0.9643	1.7839	0.2221	1.5227	1.9163	0.0191
150	3.2638	0.8321	0.2581	0.1261	0.9666	1.7910	0.2187	1.5178	1.9156	0.0173
155	3.1941	0.8316	0.2154	0.1057	0.9689	1.7977	0.2158	1.5132	1.9150	0.0159
160	3.1091	0.8312	0.1725	0.0849	0.9711	1.8041	0.2135	1.5090	1.9145	0.0147
165	3.0096	0.8308	0.1295	0.0639	0.9733	1.8101	0.2116	1.5050	1.9140	0.0139
170	2.8962	0.8305	0.0864	0.0427	0.9754	1.8158	0.2103	1.5013	1.9136	0.0133
175	2.7697	0.8305	0.0432	0.0214	0.9775	1.8211	0.2095	1.4978	1.9132	0.0129
180	2.6314	0.8304	0.	0.	0.9795	1.8262	0.2093	1.4946	1.9129	0.0128

GAMMA = 0.8000

ALPHA = 10.000

K = 0.600

DC = 2.1528 XR = 1.2096 BR = 1.741402 TR = 35.29 CR = 6.8992 QR = 0.1974E 06										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8906	1.2474	0.3425	0.8906	1.2474	0.3587			
5	1.0466	0.8871	1.2230	0.3465	0.8942	1.2709	0.3541	2.5369	2.5799	14.8795
10	1.1021	0.8836	1.1979	0.3497	0.8979	1.2938	0.3490	2.1980	2.2699	5.1015
15	1.1749	0.8802	1.1721	0.3523	0.9017	1.3158	0.3435	2.0272	2.1238	2.6701
20	1.2641	0.8769	1.1455	0.3540	0.9056	1.3371	0.3377	1.9175	2.0360	1.6604
25	1.3680	0.8736	1.1181	0.3550	0.9094	1.3576	0.3317	1.8380	1.9765	1.1347
30	1.4864	0.8705	1.0901	0.3552	0.9134	1.3774	0.3263	1.7768	1.9336	0.8241
35	1.5947	0.8674	1.0613	0.3545	0.9174	1.3964	0.3100	1.7276	1.9013	0.6174
40	1.7251	0.8645	1.0318	0.3529	0.9215	1.4147	0.3026	1.6868	1.8762	0.4794
45	1.8614	0.8616	1.0016	0.3504	0.9256	1.4322	0.2949	1.6522	1.8563	0.3809
50	2.0016	0.8588	0.9707	0.3471	0.9297	1.4490	0.2871	1.6224	1.8402	0.3080
55	2.1439	0.8561	0.9392	0.3429	0.9339	1.4651	0.2791	1.5963	1.8271	0.2527
60	2.2864	0.8535	0.9070	0.3377	0.9382	1.4805	0.2711	1.5732	1.8161	0.2099
65	2.4273	0.8511	0.8742	0.3317	0.9424	1.4952	0.2630	1.5526	1.8070	0.1762
70	2.5649	0.8487	0.8408	0.3248	0.9467	1.5092	0.2549	1.5340	1.7992	0.1492
75	2.6975	0.8464	0.8068	0.3170	0.9511	1.5226	0.2468	1.5172	1.7926	0.1273
80	2.8234	0.8442	0.7722	0.3084	0.9554	1.5353	0.2389	1.5019	1.7870	0.1095
85	2.9413	0.8421	0.7371	0.2988	0.9598	1.5474	0.2311	1.4879	1.7821	0.0948
90	3.0496	0.8401	0.7014	0.2885	0.9641	1.5589	0.2234	1.4750	1.7779	0.0825
95	3.1470	0.8382	0.6653	0.2774	0.9685	1.5699	0.2160	1.4632	1.7743	0.0723
100	3.2322	0.8364	0.6287	0.2654	0.9729	1.5802	0.2089	1.4521	1.7711	0.0637
105	3.3042	0.8348	0.5916	0.2527	0.9773	1.5900	0.2020	1.4419	1.7683	0.0564
110	3.3620	0.8332	0.5541	0.2393	0.9817	1.5993	0.1954	1.4323	1.7658	0.0502
115	3.4047	0.8317	0.5163	0.2253	0.9860	1.6081	0.1892	1.4234	1.7637	0.0450
120	3.4315	0.8304	0.4780	0.2105	0.9904	1.6164	0.1834	1.4150	1.7617	0.0405
125	3.4418	0.8291	0.4394	0.1952	0.9948	1.6242	0.1779	1.4072	1.7600	0.0368
130	3.4333	0.8280	0.4005	0.1793	0.9991	1.6316	0.1729	1.3998	1.7585	0.0335
135	3.4115	0.8270	0.3613	0.1629	1.0034	1.6385	0.1683	1.3928	1.7572	0.0308
140	3.3734	0.8260	0.3218	0.1460	1.0078	1.6450	0.1641	1.3862	1.7560	0.0285
145	3.3118	0.8252	0.2821	0.1287	1.0120	1.6512	0.1604	1.3800	1.7549	0.0265
150	3.2361	0.8245	0.2422	0.1110	1.0163	1.6570	0.1572	1.3740	1.7539	0.0249
155	3.1435	0.8239	0.2021	0.0930	1.0205	1.6624	0.1545	1.3684	1.7530	0.0236
160	3.0345	0.8234	0.1618	0.0747	1.0247	1.6676	0.1522	1.3631	1.7522	0.0226
165	2.9130	0.8230	0.1215	0.0562	1.0289	1.6724	0.1504	1.3580	1.7515	0.0218
170	2.7706	0.8228	0.0810	0.0376	1.0330	1.6769	0.1492	1.3531	1.7508	0.0213
175	2.6176	0.8226	0.0405	0.0188	1.0371	1.6811	0.1484	1.3485	1.7502	0.0209
180	2.4523	0.8226	0.	0.	1.0412	1.6851	0.1482	1.3440	1.7497	0.0208

GAMMA = 0.8000

ALPHA = 10.000

K = 0.800

DC = 2.2493 XR = 1.1640 BR = 1.613607 TR = 170.50 CR = 2.9758 QR = 0.8413E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8954	1.1939	0.3128	0.8954	1.1939	0.3290			
5	1.0570	0.8910	1.1707	0.3166	0.8998	1.2164	0.3083	2.3867	2.4269	13.0020
10	1.1183	0.8868	1.1467	0.3198	0.9044	1.2382	0.3033	2.0710	2.1386	4.4740
15	1.1973	0.8827	1.1220	0.3223	0.9091	1.2592	0.2977	1.9118	2.0023	2.3504
20	1.2928	0.8787	1.0966	0.3240	0.9139	1.2794	0.2916	1.8087	1.9199	1.4676
25	1.4026	0.8748	1.0705	0.3250	0.9189	1.2990	0.2850	1.7338	1.8638	1.0072
30	1.5244	0.8711	1.0436	0.3253	0.9239	1.3177	0.2781	1.6757	1.8231	0.7338
35	1.6539	0.8674	1.0161	0.3247	0.9290	1.3358	0.2707	1.6287	1.7923	0.5572
40	1.7950	0.8639	0.9878	0.3234	0.9343	1.3531	0.2631	1.5895	1.7681	0.4362
45	1.9394	0.8605	0.9589	0.3212	0.9397	1.3697	0.2551	1.5559	1.7487	0.3497
50	2.0869	0.8572	0.9294	0.3182	0.9451	1.3856	0.2470	1.5267	1.7329	0.2856
55	2.2356	0.8541	0.8992	0.3143	0.9507	1.4008	0.2386	1.5010	1.7197	0.2370
60	2.3833	0.8510	0.8684	0.3097	0.9564	1.4154	0.2302	1.4780	1.7086	0.1993
65	2.5281	0.8481	0.8370	0.3042	0.9622	1.4292	0.2216	1.4572	1.6992	0.1695
70	2.6680	0.8454	0.8050	0.2978	0.9682	1.4424	0.2131	1.4383	1.6911	0.1457
75	2.8022	0.8427	0.7724	0.2907	0.9742	1.4550	0.2045	1.4210	1.6841	0.1264
80	2.9260	0.8402	0.7393	0.2827	0.9803	1.4670	0.1960	1.4050	1.6780	0.1107
85	3.0406	0.8377	0.7057	0.2740	0.9866	1.4783	0.1876	1.3900	1.6725	0.0976
90	3.1436	0.8355	0.6715	0.2645	0.9930	1.4891	0.1793	1.3761	1.6677	0.0869
95	3.2336	0.8333	0.6369	0.2543	0.9996	1.4994	0.1712	1.3629	1.6634	0.0779
100	3.3093	0.8312	0.6019	0.2433	1.0063	1.5091	0.1633	1.3505	1.6595	0.0704
105	3.3697	0.8293	0.5664	0.2317	1.0131	1.5183	0.1556	1.3386	1.6560	0.0641
110	3.4139	0.8275	0.5305	0.2194	1.0201	1.5270	0.1482	1.3272	1.6528	0.0589
115	3.4414	0.8259	0.4942	0.2065	1.0273	1.5352	0.1412	1.3163	1.6498	0.0545
120	3.4518	0.8243	0.4576	0.1930	1.0347	1.5430	0.1345	1.3056	1.6470	0.0510
125	3.4455	0.8229	0.4206	0.1789	1.0423	1.5504	0.1283	1.2952	1.6444	0.0482
130	3.4233	0.8216	0.3833	0.1643	1.0502	1.5575	0.1225	1.2850	1.6419	0.0461
135	3.3870	0.8204	0.3458	0.1493	1.0585	1.5642	0.1173	1.2748	1.6394	0.0447
140	3.3411	0.8194	0.3080	0.1338	1.0671	1.5706	0.1126	1.2646	1.6371	0.0441
145	3.2891	0.8184	0.2700	0.1179	1.0763	1.5767	0.1092	1.2542	1.6347	0.0444
150	3.2454	0.8176	0.2318	0.1017	1.0862	1.5827	0.1069	1.2433	1.6323	0.0460
155	3.2384	0.8170	0.1934	0.0852	1.0971	1.5886	0.1069	1.2317	1.6298	0.0498
160	3.3343	0.8164	0.1549	0.0685	1.1095	1.5945	0.1112	1.2188	1.6269	0.0578
165	3.7950	0.8160	0.1163	0.0515	1.1231	1.6009	0.1281	1.2030	1.6234	0.0784
170	0.5295	0.8157	0.0776	0.0344						
175	0.2759	0.8155	0.0388	0.0172						
180	0.	0.8154	0.	0.						

GAMMA = 0.8000

ALPHA = 10.000

K = 1.000

DC = 2.3254 XR = 1.1438 BR = 1.526931 TR = 121.10 CR = 2.1136 QR = 0.2212E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8991	1.1567	0.2945	0.8991	1.1567	0.3107			
5	1.0680	0.8940	1.1341	0.2980	0.9043	1.1785	0.2904	2.2774	2.3156	11.7266
10	1.1381	0.8890	1.1108	0.3009	0.9097	1.1997	0.2857	1.9788	2.0428	4.0529
15	1.2275	0.8843	1.0868	0.3031	0.9153	1.2201	0.2806	1.8271	1.9132	2.1402
20	1.3349	0.8797	1.0621	0.3047	0.9211	1.2398	0.2750	1.7285	1.8345	1.3444
25	1.4580	0.8752	1.0368	0.3056	0.9270	1.2588	0.2690	1.6565	1.7806	0.9291
30	1.5943	0.8709	1.0107	0.3058	0.9331	1.2771	0.2626	1.6003	1.7411	0.6825
35	1.7415	0.8668	0.9840	0.3052	0.9395	1.2947	0.2560	1.5544	1.7109	0.5231
40	1.8975	0.8628	0.9566	0.3038	0.9460	1.3116	0.2491	1.5158	1.6870	0.4140
45	2.0600	0.8589	0.9285	0.3017	0.9527	1.3278	0.2420	1.4825	1.6676	0.3361
50	2.2273	0.8553	0.8999	0.2988	0.9597	1.3434	0.2348	1.4533	1.6515	0.2786
55	2.3974	0.8517	0.8706	0.2951	0.9669	1.3584	0.2275	1.4271	1.6379	0.2351
60	2.5688	0.8483	0.8407	0.2907	0.9743	1.3727	0.2202	1.4034	1.6263	0.2016
65	2.7399	0.8451	0.8102	0.2855	0.9811	1.3864	0.2130	1.3817	1.6162	0.1755
70	2.9099	0.8419	0.7792	0.2795	0.9901	1.3995	0.2060	1.3616	1.6073	0.1550
75	3.0781	0.8390	0.7476	0.2727	0.9985	1.4121	0.1993	1.3427	1.5993	0.1389
80	3.2448	0.8361	0.7156	0.2652	1.0073	1.4241	0.1931	1.3248	1.5920	0.1263
85	3.4110	0.8335	0.6830	0.2570	1.0165	1.4357	0.1874	1.3077	1.5854	0.1168
90	3.5801	0.8309	0.6499	0.2480	1.0264	1.4469	0.1826	1.2910	1.5791	0.1100
95	3.7585	0.8285	0.6164	0.2384	1.0369	1.4578	0.1790	1.2745	1.5732	0.1059
100	3.9596	0.8263	0.5824	0.2281	1.0483	1.4684	0.1775	1.2579	1.5673	0.1049
105	4.2120	0.8242	0.5480	0.2171	1.0610	1.4790	0.1793	1.2408	1.5614	0.1083
110	4.5907	0.8222	0.5133	0.2055	1.0757	1.4897	0.1882	1.2223	1.5551	0.1193
115	5.0616	0.8203	0.4782	0.1934	1.0940	1.5013	0.2167	1.2008	1.5477	0.1504
120	5.6989	0.8186	0.4427	0.1807	1.1239	1.5172	0.4179	1.1681	1.5358	0.3526
125	1.8160	0.8171	0.4069	0.1675						
130	1.7688	0.8156	0.3708	0.1538						
135	1.7002	0.8144	0.3345	0.1397						
140	1.6091	0.8132	0.2980	0.1252						
145	1.4948	0.8122	0.2612	0.1104						
150	1.3565	0.8113	0.2242	0.0952						
155	1.1936	0.8106	0.1871	0.0797						
160	1.0058	0.8099	0.1498	0.0641						
165	0.7926	0.8095	0.1125	0.0482						
170	0.5539	0.8091	0.0750	0.0322						
175	0.2897	0.8089	0.0375	0.0161						
180	0.	0.8089	0.	0.						

GAMMA = 0.8000

ALPHA = 10.000

K = 1.200

DC = 2.3884 XR = 1.1350 BR = 1.464870 TR = 95.70 CR = 1.6703 QR = 0.1095E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9020	1.1289	0.2826	0.9020	1.1289	0.2989			
5	1.0785	0.8962	1.1067	0.2857	0.9080	1.1504	0.2791	2.1926	2.2292	10.7876
10	1.1579	0.8906	1.0839	0.2882	0.9142	1.1713	0.2750	1.9067	1.9681	3.7459
15	1.2587	0.8853	1.0603	0.2901	0.9207	1.1914	0.2705	1.7606	1.8434	1.9892
20	1.3794	0.8801	1.0361	0.2914	0.9274	1.2109	0.2657	1.6653	1.7673	1.2578
25	1.5176	0.8752	1.0113	0.2921	0.9344	1.2297	0.2606	1.5951	1.7147	0.8761
30	1.6709	0.8704	0.9857	0.2920	0.9417	1.2479	0.2552	1.5400	1.6759	0.6495
35	1.8375	0.8658	0.9595	0.2913	0.9492	1.2654	0.2497	1.4946	1.6459	0.5033
40	2.0157	0.8614	0.9327	0.2899	0.9572	1.2823	0.2441	1.4560	1.6218	0.4036
45	2.2040	0.8571	0.9053	0.2877	0.9655	1.2987	0.2386	1.4224	1.6020	0.3329
50	2.4017	0.8531	0.8773	0.2848	0.9742	1.3144	0.2333	1.3924	1.5853	0.2813
55	2.6088	0.8492	0.8486	0.2812	0.9834	1.3297	0.2284	1.3651	1.5708	0.2431
60	2.8263	0.8455	0.8194	0.2769	0.9931	1.3444	0.2241	1.3400	1.5581	0.2148
65	3.0575	0.8419	0.7897	0.2718	1.0036	1.3588	0.2207	1.3163	1.5466	0.1941
70	3.3093	0.8385	0.7594	0.2660	1.0148	1.3728	0.2190	1.2936	1.5361	0.1801
75	3.5962	0.8353	0.7286	0.2594	1.0272	1.3867	0.2198	1.2713	1.5260	0.1724
80	3.9505	0.8322	0.6972	0.2522	1.0411	1.4006	0.2253	1.2489	1.5162	0.1722
85	4.3573	0.8293	0.6654	0.2443	1.0574	1.4149	0.2407	1.2252	1.5060	0.1843
90	5.4368	0.8266	0.6332	0.2357	1.0781	1.4308	0.2859	1.1981	1.4943	0.2278
95	1.7821	0.8240	0.6005	0.2265						
100	1.8409	0.8215	0.5673	0.2166						
105	1.8851	0.8192	0.5338	0.2062						
110	1.9132	0.8171	0.4999	0.1952						
115	1.9239	0.8151	0.4657	0.1836						
120	1.9158	0.8133	0.4311	0.1715						
125	1.8877	0.8116	0.3963	0.1590						
130	1.8383	0.8101	0.3611	0.1460						
135	1.7666	0.8087	0.3257	0.1325						
140	1.6717	0.8075	0.2901	0.1188						
145	1.5528	0.8064	0.2543	0.1047						
150	1.4089	0.8054	0.2183	0.0903						
155	1.2397	0.8046	0.1822	0.0756						
160	1.0445	0.8040	0.1459	0.0607						
165	0.8231	0.8035	0.1095	0.0457						
170	0.5752	0.8031	0.0730	0.0305						
175	0.3008	0.8029	0.0365	0.0153						
180	0.	0.8028	0.	0.						

GAMMA = 0.8000

ALPHA = 10.000

K = 1.400

DC = 2.4425

XR = 1.1278

BR = 1.418285

TR = 79.67

CR = 1.3906

QR = 0.6936E 02

THEYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9044	1.1074	0.2750	0.9044	1.1074	0.2912			
5	1.0887	0.8979	1.0854	0.2775	0.9111	1.1287	0.2721	2.1237	2.1590	10.0604
10	1.1781	0.8918	1.0628	0.2795	0.9181	1.1495	0.2688	1.8478	1.9072	3.5107
15	1.2913	0.8859	1.0395	0.2810	0.9255	1.1696	0.2652	1.7062	1.7863	1.8755
20	1.4266	0.8802	1.0156	0.2819	0.9332	1.1890	0.2614	1.6132	1.7120	1.1944
25	1.5820	0.8747	0.9911	0.2822	0.9412	1.2079	0.2576	1.5442	1.6603	0.8391
30	1.7559	0.8695	0.9659	0.2819	0.9497	1.2263	0.2537	1.4896	1.6217	0.6286
35	1.9472	0.8645	0.9401	0.2810	0.9587	1.2441	0.2500	1.4441	1.5915	0.4936
40	2.1559	0.8597	0.9137	0.2794	0.9682	1.2614	0.2468	1.4051	1.5669	0.4023
45	2.3831	0.8552	0.8867	0.2772	0.9784	1.2782	0.2442	1.3705	1.5462	0.3388
50	2.6325	0.8508	0.8592	0.2742	0.9894	1.2947	0.2429	1.3390	1.5283	0.2942
55	2.9119	0.8466	0.8311	0.2706	1.0013	1.3110	0.2435	1.3097	1.5123	0.2638
60	3.2380	0.8426	0.8024	0.2662	1.0145	1.3272	0.2475	1.2817	1.4976	0.2454
65	3.6497	0.8388	0.7731	0.2612	1.0296	1.3437	0.2579	1.2539	1.4835	0.2397
70	4.2542	0.8351	0.7434	0.2555	1.0476	1.3610	0.2828	1.2250	1.4691	0.2531
75	5.1111	0.8317	0.7132	0.2491	1.0714	1.3809	0.3564	1.1917	1.4525	0.3189
80	1.5900	0.8284	0.6824	0.2421						
85	1.6861	0.8253	0.6512	0.2344						
90	1.7719	0.8224	0.6196	0.2261						
95	1.8457	0.8196	0.5876	0.2172						
100	1.9060	0.8170	0.5551	0.2077						
105	1.9512	0.8146	0.5223	0.1976						
110	1.9798	0.8123	0.4891	0.1870						
115	1.9903	0.8102	0.4556	0.1758						
120	1.9814	0.8083	0.4217	0.1642						
125	1.9519	0.8065	0.3876	0.1522						
130	1.9005	0.8049	0.3532	0.1397						
135	1.8261	0.8034	0.3186	0.1268						
140	1.7277	0.8021	0.2837	0.1136						
145	1.6045	0.8009	0.2487	0.1001						
150	1.4557	0.8000	0.2135	0.0863						
155	1.2807	0.7991	0.1781	0.0723						
160	1.0790	0.7984	0.1427	0.0581						
165	0.8502	0.7979	0.1071	0.0437						
170	0.5941	0.7975	0.0714	0.0292						
175	0.3107	0.7973	0.0357	0.0146						
180	0.	0.7972	0.	0.						

GAMMA = 0.8000

ALPHA = 10.000

K = 1.600

DC = 2.4900

XR = 1.1226

BR = 1.382024

TR = 68.47

CR = 1.1951

QR = 0.4983E 02

THEYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9064	1.0901	0.2702	0.9064	1.0901	0.2864			
5	1.0988	0.8993	1.0682	0.2720	0.9138	1.1115	0.2681	2.0660	2.1002	9.4767
10	1.1987	0.8926	1.0457	0.2734	0.9216	1.1322	0.2657	1.7982	1.8559	3.3242
15	1.3251	0.8861	1.0226	0.2744	0.9298	1.1524	0.2633	1.6603	1.7383	1.7870
20	1.4767	0.8800	0.9989	0.2749	0.9385	1.1721	0.2609	1.5689	1.6651	1.1469
25	1.6522	0.8741	0.9745	0.2749	0.9478	1.1913	0.2588	1.5006	1.6138	0.8134
30	1.8512	0.8685	0.9496	0.2743	0.9576	1.2101	0.2571	1.4459	1.5750	0.6168
35	2.0752	0.8631	0.9241	0.2731	0.9682	1.2284	0.2564	1.4000	1.5443	0.4920
40	2.3281	0.8580	0.8981	0.2713	0.9796	1.2465	0.2571	1.3599	1.5187	0.4095
45	2.6191	0.8531	0.8714	0.2689	0.9922	1.2645	0.2603	1.3236	1.4967	0.3551
50	2.9679	0.8484	0.8442	0.2658	1.0063	1.2825	0.2679	1.2897	1.4770	0.3218
55	3.4219	0.8440	0.8165	0.2621	1.0225	1.3011	0.2841	1.2567	1.4583	0.3088
60	4.1226	0.8397	0.7882	0.2578	1.0424	1.3211	0.3214	1.2225	1.4394	0.3249
65	5.0600	0.8357	0.7594	0.2528	1.0702	1.3452	0.4441	1.1823	1.4173	0.4323
70	1.4200	0.8318	0.7301	0.2471						
75	1.5348	0.8282	0.7003	0.2408						
80	1.6423	0.8247	0.6701	0.2332						
85	1.7408	0.8214	0.6394	0.2264						
90	1.8287	0.8183	0.6083	0.2183						
95	1.9042	0.8154	0.5768	0.2096						
100	1.9657	0.8127	0.5449	0.2003						
105	2.0117	0.8101	0.5126	0.1906						
110	2.0405	0.8078	0.4800	0.1803						
115	2.0508	0.8056	0.4471	0.1695						
120	2.0412	0.8035	0.4138	0.1583						
125	2.0103	0.8017	0.3803	0.1466						
130	1.9569	0.8000	0.3466	0.1346						
135	1.8799	0.7984	0.3126	0.1221						
140	1.7784	0.7971	0.2784	0.1094						
145	1.6513	0.7959	0.2440	0.0964						
150	1.4980	0.7948	0.2094	0.0831						
155	1.3177	0.7939	0.1747	0.0696						
160	1.1101	0.7932	0.1399	0.0559						
165	0.8746	0.7927	0.1050	0.0421						
170	0.6111	0.7923	0.0701	0.0281						
175	0.3196	0.7920	0.0350	0.0141						
180	0.	0.7919	0.	0.						

GAMMA = 0.8000

ALPHA = 10.000

K = 1.800

DC = 2.5324 XR = 1.1186 BR = 1.352989 TR = 60.14 CR = 1.0497 QR = 0.3857E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9081	1.0760	0.2674	0.9081	1.0760	0.2836			
5	1.1088	0.9004	1.0540	0.2684	0.9162	1.0974	0.2662	2.0168	2.0501	8.9950
10	1.2198	0.8931	1.0315	0.2692	0.9248	1.1183	0.2651	1.7558	1.8120	3.1723
15	1.3605	0.8862	1.0085	0.2696	0.9339	1.1388	0.2641	1.6206	1.6966	1.7166
20	1.5303	0.8796	0.9848	0.2696	0.9436	1.1588	0.2635	1.5302	1.6263	1.1109
25	1.7292	0.8733	0.9607	0.2692	0.9541	1.1783	0.2637	1.4622	1.5730	0.7964
30	1.9598	0.8673	0.9359	0.2683	0.9654	1.1979	0.2653	1.4072	1.5339	0.6125
35	2.2286	0.8616	0.9106	0.2668	0.9779	1.2172	0.2691	1.3603	1.5022	0.4982
40	2.5501	0.8562	0.8848	0.2648	0.9917	1.2366	0.2769	1.3185	1.4753	0.4268
45	2.9582	0.8510	0.8584	0.2622	1.0076	1.2564	0.2922	1.2796	1.4511	0.3872
50	3.4450	0.8460	0.8315	0.2590	1.0266	1.2773	0.3262	1.2412	1.4281	0.3802
55	4.0804	0.8413	0.8041	0.2552	1.0518	1.3018	0.4097	1.1996	1.4034	0.4377
60	1.2131	0.8369	0.7761	0.2508						
65	1.3405	0.8326	0.7477	0.2458						
70	1.4638	0.8286	0.7187	0.2402						
75	1.5813	0.8247	0.6893	0.2339						
80	1.6912	0.8211	0.6595	0.2271						
85	1.7919	0.8177	0.6293	0.2197						
90	1.8815	0.8143	0.5986	0.2117						
95	1.9584	0.8114	0.5675	0.2032						
100	2.0210	0.8086	0.5361	0.1942						
105	2.0676	0.8059	0.5043	0.1846						
110	2.0966	0.8033	0.4722	0.1746						
115	2.1066	0.8012	0.4398	0.1641						
120	2.0961	0.7990	0.4071	0.1532						
125	2.0639	0.7971	0.3741	0.1419						
130	2.0087	0.7953	0.3409	0.1303						
135	1.9293	0.7937	0.3074	0.1182						
140	1.8248	0.7923	0.2738	0.1058						
145	1.6941	0.7911	0.2399	0.0932						
150	1.5366	0.7900	0.2060	0.0804						
155	1.3516	0.7891	0.1718	0.0673						
160	1.1385	0.7883	0.1376	0.0541						
165	0.8949	0.7877	0.1033	0.0407						
170	0.6267	0.7873	0.0689	0.0277						
175	0.3277	0.7871	0.0345	0.0136						
180	0.	0.7870	0.	0.						

GAMMA = 0.8000

ALPHA = 10.000

K = 2.000

DC = 2.5708 XR = 1.1155 BR = 1.329208 TR = 53.68 CR = 0.9369 QR = 0.3134E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9095	1.0641	0.2661	0.9095	1.0641	0.2823			
5	1.1188	0.9012	1.0420	0.2662	0.9183	1.0857	0.2660	1.9736	2.0062	8.5900
10	1.2415	0.8934	1.0195	0.2663	0.9277	1.1069	0.2662	1.7184	1.7734	3.0464
15	1.3977	0.8860	0.9965	0.2661	0.9377	1.1277	0.2659	1.5852	1.6597	1.6601
20	1.5877	0.8790	0.9729	0.2656	0.9486	1.1482	0.2687	1.4959	1.5881	1.0838
25	1.8145	0.8724	0.9488	0.2648	0.9604	1.1686	0.2721	1.4278	1.5367	0.7863
30	2.0857	0.8660	0.9242	0.2635	0.9734	1.1889	0.2784	1.3721	1.4968	0.6152
35	2.4190	0.8600	0.8990	0.2617	0.9881	1.2096	0.2898	1.3237	1.4638	0.5134
40	2.8574	0.8543	0.8734	0.2595	1.0052	1.2310	0.3112	1.2793	1.4347	0.4589
45	3.5275	0.8488	0.8472	0.2567	1.0262	1.2542	0.3567	1.2357	1.4070	0.4518
50	5.0638	0.8437	0.8205	0.2533	1.0557	1.2824	0.4973	1.1872	1.3766	0.5550
55	1.1161	0.8387	0.7933	0.2494						
60	1.2489	0.8341	0.7656	0.2450						
65	1.3791	0.8296	0.7375	0.2399						
70	1.5051	0.8254	0.7089	0.2343						
75	1.6251	0.8214	0.6798	0.2281						
80	1.7372	0.8177	0.6503	0.2213						
85	1.8398	0.8141	0.6204	0.2140						
90	1.9310	0.8108	0.5901	0.2062						
95	2.0091	0.8076	0.5594	0.1978						
100	2.0726	0.8047	0.5284	0.1889						
105	2.1196	0.8019	0.4970	0.1796						
110	2.1487	0.7993	0.4654	0.1698						
115	2.1583	0.7970	0.4334	0.1593						
120	2.1471	0.7948	0.4011	0.1489						
125	2.1136	0.7928	0.3686	0.1379						
130	2.0566	0.7909	0.3358	0.1265						
135	1.9749	0.7893	0.3029	0.1148						
140	1.8676	0.7878	0.2697	0.1028						
145	1.7336	0.7865	0.2364	0.0905						
150	1.5722	0.7854	0.2029	0.0780						
155	1.3827	0.7845	0.1693	0.0653						
160	1.1646	0.7837	0.1355	0.0525						
165	0.9175	0.7831	0.1017	0.0393						
170	0.6410	0.7827	0.0679	0.0264						
175	0.3352	0.7824	0.0339	0.0132						
180	0.	0.7823	0.	0.						

GAMMA = 0.8000 ALPHA = 10.000 K = 2.200

DC = 2.6061 XR = 1.1129 BR = 1.309368 TR = 48.51 CR = 0.8466 QR = 0.2634E 02										
THEYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9108	1.0540	0.2659	0.9108	1.0540	0.3006			
5	1.1288	0.9019	1.0318	0.2651	0.9202	1.0759	0.2671	1.9356	1.9675	8.2433
10	1.2637	0.8936	1.0092	0.2644	0.9304	1.0974	0.2688	1.6854	1.7392	2.9402
15	1.4364	0.8858	0.9861	0.2636	0.9414	1.1186	0.2716	1.5540	1.6271	1.6138
20	1.6495	0.8783	0.9625	0.2625	0.9534	1.1398	0.2763	1.4649	1.5555	1.0640
25	1.9099	0.8713	0.9385	0.2613	0.9667	1.1610	0.2841	1.3965	1.5037	0.7826
30	2.2352	0.8647	0.9139	0.2596	0.9817	1.1826	0.2974	1.3396	1.4627	0.6253
35	2.6681	0.8584	0.8889	0.2575	0.9993	1.2052	0.3217	1.2889	1.4278	0.5407
40	3.3371	0.8524	0.8634	0.2550	1.0210	1.2298	0.3728	1.2404	1.3954	0.5186
45	4.9063	0.8467	0.8373	0.2520	1.0520	1.2602	0.5328	1.1872	1.3604	0.6278
50	1.0110	0.8413	0.8108	0.2485						
55	1.1475	0.8362	0.7838	0.2445						
60	1.2831	0.8313	0.7564	0.2399						
65	1.4160	0.8267	0.7285	0.2348						
70	1.5444	0.8224	0.7001	0.2292						
75	1.6666	0.8182	0.6714	0.2230						
80	1.7807	0.8143	0.6422	0.2163						
85	1.8849	0.8107	0.6126	0.2091						
90	1.9775	0.8072	0.5826	0.2013						
95	2.0568	0.8039	0.5523	0.1931						
100	2.1209	0.8009	0.5216	0.1843						
105	2.1683	0.7981	0.4906	0.1752						
110	2.1974	0.7954	0.4593	0.1655						
115	2.2067	0.7930	0.4277	0.1555						
120	2.1946	0.7907	0.3958	0.1451						
125	2.1598	0.7886	0.3637	0.1343						
130	2.1011	0.7868	0.3314	0.1232						
135	2.0173	0.7851	0.2988	0.1118						
140	1.9073	0.7836	0.2661	0.1001						
145	1.7703	0.7822	0.2332	0.0881						
150	1.6053	0.7811	0.2002	0.0759						
155	1.4116	0.7801	0.1670	0.0636						
160	1.1889	0.7793	0.1337	0.0511						
165	0.9365	0.7787	0.1004	0.0384						
170	0.6543	0.7783	0.0669	0.0257						
175	0.3421	0.7780	0.0335	0.0128						
180	0.	0.7779	0.	0.						

GAMMA = 0.8000 ALPHA = 10.000 K = 2.600

DC = 2.6690 XR = 1.1091 BR = 1.278141 TR = 40.72 CR = 0.7106 QR = 0.1993E 02										
THEYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9228	1.0378	0.2681	0.9128	1.0378	0.3027			
5	1.1498	0.9029	1.0152	0.2651	0.9236	1.0603	0.2720	1.8709	1.9016	7.6794
10	1.3101	0.8938	0.9922	0.2627	0.9354	1.0827	0.2776	1.6285	1.6806	2.7719
15	1.5201	0.8849	0.9689	0.2605	0.9484	1.1051	0.2859	1.4995	1.5703	1.5455
20	1.7892	0.8768	0.9453	0.2584	0.9630	1.1279	0.2990	1.4104	1.4985	1.0420
25	2.1433	0.8691	0.9212	0.2562	0.9799	1.1516	0.3208	1.3402	1.4449	0.7939
30	2.6536	0.8619	0.8968	0.2538	1.0002	1.1770	0.3620	1.2793	1.4004	0.6754
35	3.5896	0.8550	0.8718	0.2511	1.0272	1.2065	0.4618	1.2203	1.3585	0.6731
40	0.7849	0.8486	0.8465	0.2481						
45	0.9237	0.8425	0.8207	0.2446						
50	1.0649	0.8367	0.7945	0.2408						
55	1.2067	0.8312	0.7678	0.2365						
60	1.3473	0.8260	0.7407	0.2318						
65	1.4849	0.8211	0.7132	0.2265						
70	1.6176	0.8165	0.6853	0.2208						
75	1.7437	0.8121	0.6570	0.2146						
80	1.8612	0.8080	0.6283	0.2080						
85	1.9684	0.8041	0.5992	0.2008						
90	2.0633	0.8004	0.5698	0.1932						
95	2.1443	0.7970	0.5400	0.1852						
100	2.2096	0.7938	0.5099	0.1767						
105	2.2576	0.7908	0.4796	0.1678						
110	2.2865	0.7880	0.4489	0.1584						
115	2.2948	0.7855	0.4180	0.1488						
120	2.2811	0.7831	0.3868	0.1387						
125	2.2439	0.7809	0.3554	0.1284						
130	2.1820	0.7790	0.3237	0.1177						
135	2.0942	0.7772	0.2919	0.1067						
140	1.9794	0.7756	0.2599	0.0955						
145	1.8366	0.7742	0.2278	0.0841						
150	1.6650	0.7730	0.1955	0.0725						
155	1.4638	0.7720	0.1631	0.0606						
160	1.2326	0.7712	0.1306	0.0487						
165	0.9708	0.7705	0.0980	0.0366						
170	0.6782	0.7701	0.0654	0.0245						
175	0.3546	0.7698	0.0327	0.0122						
180	0.	0.7697	0.	0.						

GAMMA = 0.8000

ALPHA = 10.000

K = 3.000

DC = 2.7242

XR = 1.1063

BR = 1.254671

TR = 35.11

CR = 0.6128

GR = 0.1601E 02

YREYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9145	1.0253	0.2726	0.9145	1.0253	0.2726			
5	1.1694	0.9034	1.0021	0.12671	0.9266	1.0468	0.2799	1.8173	1.8471	7.2382
10	1.3593	0.8932	0.9788	0.2628	0.9400	1.0720	0.2904	1.5806	1.6312	2.6462
15	1.8135	0.8838	0.9552	0.2592	0.9552	1.0960	0.3063	1.4529	1.5220	1.5017
20	1.9582	0.8750	0.9314	0.2559	0.9729	1.1210	0.3327	1.3630	1.4492	1.0409
25	2.4703	0.8667	0.9073	0.2528	0.9945	1.1483	0.3825	1.2895	1.3925	0.8357
30	3.4620	0.8590	0.8828	0.2496	1.0239	1.1808	0.5083	1.2205	1.9411	0.8102
35	0.6853	0.8517	0.8579	0.2463						
40	0.8252	0.8448	0.8327	0.2428						
45	0.9691	0.8383	0.8070	0.2390						
50	1.1153	0.8322	0.7810	0.2348						
55	1.2817	0.8264	0.7546	0.2302						
60	1.4067	0.8210	0.7277	0.2253						
65	1.5484	0.8158	0.7005	0.2199						
70	1.6849	0.8110	0.6729	0.2141						
75	1.8142	0.8064	0.6450	0.2079						
80	1.9346	0.8021	0.6167	0.2012						
85	2.0442	0.7980	0.5880	0.1942						
90	2.1411	0.7942	0.5591	0.1866						
95	2.2235	0.7906	0.5298	0.1787						
100	2.2896	0.7873	0.5002	0.1704						
105	2.3378	0.7841	0.4703	0.1617						
110	2.3663	0.7813	0.4402	0.1527						
115	2.3736	0.7786	0.4098	0.1433						
120	2.3583	0.7761	0.3792	0.1335						
125	2.3188	0.7739	0.3483	0.1235						
130	2.2540	0.7718	0.3173	0.1132						
135	2.1625	0.7700	0.2861	0.1026						
140	2.0433	0.7684	0.2547	0.0918						
145	1.8953	0.7669	0.2232	0.0808						
150	1.7178	0.7657	0.1915	0.0696						
155	1.5100	0.7646	0.1598	0.0582						
160	1.2712	0.7638	0.1279	0.0468						
165	1.0011	0.7631	0.0960	0.0352						
170	0.6993	0.7628	0.0640	0.0235						
175	0.3856	0.7623	0.0320	0.0118						
180	0.	0.7622	0.	0.						

GAMMA=0.8000

ALPHA=10.000

K= 41.000

DC= 2.8998 XR= 1.10176 BR= 1.21543
 TR=26.1683 CR= 0.45672 GR=10.172953

YREYA	ST	X1	B1	S1
0	1.0000	0.9174	1.0039	0.2896
5	1.2225	0.9097	0.9790	0.12769
10	1.4964	0.8914	0.9544	0.12674
15	1.9070	0.8805	0.9300	0.12600
20	2.0476	0.8700	0.9056	0.12538
25	0.8871	0.8605	0.8811	0.12484
30	0.6204	0.8517	0.8564	0.12434
35	0.7864	0.8434	0.8314	0.12386
40	0.9177	0.8357	0.8063	0.12338
45	1.0726	0.8285	0.7808	0.12290
50	1.2290	0.8217	0.7551	0.12241
55	1.3852	0.8153	0.7290	0.12189
60	1.5392	0.8093	0.7027	0.12135
65	1.6891	0.8037	0.6760	0.12078
70	1.8330	0.7984	0.6490	0.12017
75	1.9688	0.7934	0.6218	0.11954
80	2.0947	0.7887	0.5942	0.11887
85	2.2088	0.7843	0.5663	0.11817
90	2.3091	0.7802	0.5382	0.11743
95	2.3938	0.7763	0.5098	0.11666
100	2.4610	0.7727	0.4812	0.11586
105	2.5091	0.7694	0.4523	0.11503
110	2.5363	0.7663	0.4232	0.11417
115	2.5410	0.7634	0.3938	0.11328
120	2.5217	0.7608	0.3643	0.11237
125	2.4770	0.7584	0.3346	0.11142
130	2.4055	0.7562	0.3047	0.11046
135	2.3059	0.7542	0.2747	0.10948
140	2.1772	0.7525	0.2445	0.10847
145	2.0182	0.7509	0.2142	0.10745
150	1.8282	0.7496	0.1838	0.10641
155	1.6063	0.7485	0.1533	0.10537
160	1.3518	0.7476	0.1228	0.10431
165	1.0642	0.7468	0.0921	0.10324
170	0.7432	0.7463	0.0614	0.10216
175	0.3885	0.7460	0.0307	0.10108
180	0.	0.7459	0.	0.

GAMMA=0.8000

ALPHA=10.000

K= 51.000

DC= 2.9345 XR= 1.09906 BR= 1.19119
 TR=20.8758 CR= 0.36435 GR= 8.07131

YREYA	ST	X1	B1	S1
0	1.0000	0.9193	0.9902	0.3113
5	1.2788	0.9032	0.9634	0.12898
10	1.6610	0.8890	0.9375	0.12747
15	2.3690	0.8763	0.9122	0.12633
20	0.3945	0.8648	0.8871	0.12543
25	0.5348	0.8543	0.8621	0.12467
30	0.6839	0.8446	0.8371	0.12400
35	0.8399	0.8367	0.8120	0.12338
40	1.0006	0.8273	0.7868	0.12280
45	1.1644	0.8195	0.7614	0.12224
50	1.3291	0.8122	0.7358	0.12167
55	1.4930	0.8054	0.7100	0.12110
60	1.6541	0.7990	0.6840	0.12052
65	1.8103	0.7929	0.6577	0.11992
70	1.9597	0.7873	0.6311	0.11929
75	2.1003	0.7820	0.6043	0.11864
80	2.2302	0.7770	0.5773	0.11797
85	2.3473	0.7724	0.5500	0.11727
90	2.4497	0.7680	0.5225	0.11654
95	2.5356	0.7640	0.4947	0.11579
100	2.6032	0.7602	0.4668	0.11501
105	2.6506	0.7567	0.4386	0.11420
110	2.6761	0.7534	0.4103	0.11337
115	2.6782	0.7504	0.3817	0.11252
120	2.6552	0.7477	0.3530	0.11165
125	2.6057	0.7451	0.3242	0.11075
130	2.5284	0.7428	0.2952	0.10983
135	2.4219	0.7408	0.2660	0.10890
140	2.2852	0.7390	0.2368	0.10795
145	2.1171	0.7374	0.2074	0.10699
150	1.9168	0.7360	0.1780	0.10602
155	1.6834	0.7348	0.1484	0.10503
160	1.4182	0.7338	0.1188	0.10403
165	1.1147	0.7331	0.0892	0.10303
170	0.7783	0.7326	0.0595	0.10202
175	0.4068	0.7323	0.0297	0.10101
180	0.	0.7322	0.	0.

BANNA=01.8000 ALPHA=10.000 K= 61.000

DC= 3J0158 XR= 1J09727 BR= 1.17473
 FR=17J3709 CR= 0J30318 QR= 61.7136

WETA	SE	KI	BI	SI
0	1.0000	0.9206	0.9807	0.3355
5	1.3387	0.9021	0.9519	0.3038
10	1.8867	0.8863	0.9247	0.2828
15	3.3978	0.8723	0.8984	0.2685
20	0.4345	0.8598	0.8727	0.2567
25	0.5845	0.8484	0.8472	0.2461
30	0.7427	0.8380	0.8219	0.2379
35	0.9071	0.8284	0.7967	0.2306
40	1.0759	0.8195	0.7714	0.2238
45	1.2471	0.8112	0.7460	0.2174
50	1.4188	0.8035	0.7205	0.2112
55	1.5890	0.7963	0.6949	0.2050
60	1.7588	0.7896	0.6690	0.1988
65	1.9170	0.7833	0.6430	0.1925
70	2.0708	0.7774	0.6168	0.1861
75	2.2251	0.7719	0.5903	0.1795
80	2.3478	0.7667	0.5637	0.1727
85	2.4671	0.7619	0.5369	0.1657
90	2.5709	0.7573	0.5098	0.1585
95	2.6574	0.7531	0.4826	0.1510
100	2.7248	0.7492	0.4552	0.1434
105	2.7711	0.7455	0.4276	0.1356
110	2.7948	0.7422	0.3999	0.1275
115	2.7942	0.7391	0.3720	0.1192
120	2.7677	0.7362	0.3439	0.1108
125	2.7139	0.7336	0.3158	0.1022
130	2.6315	0.7312	0.2875	0.0934
135	2.5189	0.7291	0.2590	0.0845
140	2.3753	0.7272	0.2305	0.0755
145	2.1995	0.7255	0.2019	0.0663
150	1.9905	0.7241	0.1732	0.0570
155	1.7474	0.7229	0.1444	0.0477
160	1.4698	0.7219	0.1155	0.0382
165	1.1564	0.7212	0.0868	0.0287
170	0.8073	0.7206	0.0579	0.0192
175	0.4219	0.7203	0.0289	0.0096
180	0.	0.7202	0.	0.

BANNA=01.8000 ALPHA=10.000 K= 81.000

DC= 3J1530 XR= 1J09503 BR= 1.15378
 FR=19J0103 CR= 0J22707 QR= 41.63721

WETA	SE	KI	BI	SI
0	1.0000	0.9224	0.9684	0.3876
5	1.4735	0.8994	0.9357	0.3322
10	2.5590	0.8805	0.9059	0.2988
15	0.3518	0.8643	0.8778	0.2760
20	0.5088	0.8501	0.8509	0.2593
25	0.6750	0.8373	0.8246	0.2461
30	0.8484	0.8258	0.7987	0.2353
35	1.0270	0.8152	0.7731	0.2261
40	1.2089	0.8055	0.7476	0.2178
45	1.3922	0.7966	0.7222	0.2102
50	1.5748	0.7882	0.6968	0.2030
55	1.7549	0.7805	0.6713	0.1961
60	1.9305	0.7733	0.6458	0.1893
65	2.0993	0.7666	0.6202	0.1826
70	2.2595	0.7603	0.5944	0.1758
75	2.4089	0.7544	0.5685	0.1690
80	2.5455	0.7489	0.5425	0.1621
85	2.6674	0.7438	0.5164	0.1551
90	2.7726	0.7390	0.4901	0.1480
95	2.8698	0.7346	0.4637	0.1407
100	2.9532	0.7304	0.4371	0.1333
105	3.0230	0.7266	0.4104	0.1258
110	3.0808	0.7231	0.3836	0.1181
115	3.1228	0.7198	0.3567	0.1102
120	3.1488	0.7168	0.3297	0.1023
125	3.1588	0.7141	0.3026	0.0942
130	3.1538	0.7116	0.2754	0.0860
135	3.1338	0.7094	0.2481	0.0777
140	3.0992	0.7074	0.2207	0.0693
145	3.0508	0.7058	0.1933	0.0608
150	2.9874	0.7041	0.1658	0.0523
155	2.9088	0.7029	0.1382	0.0437
160	2.8150	0.7019	0.1106	0.0350
165	2.7023	0.7011	0.0830	0.0263
170	0.5531	0.7005	0.0553	0.0175
175	0.4458	0.7001	0.0277	0.0088
180	0.	0.7000	0.	0.

BANNA=01.8000 ALPHA=10.000 K=101.000

DC= 3J2684 XR= 1J09369 BR= 1.14101
 FR=10J4022 CR= 0J18155 QR= 31.61474

WETA	SE	KI	BI	SI
0	1.0000	0.9235	0.9608	0.4429
5	1.6344	0.8963	0.9241	0.3594
10	0.2431	0.8748	0.8920	0.3195
15	0.4043	0.8587	0.8624	0.2837
20	0.5762	0.8411	0.8343	0.2626
25	0.7560	0.8273	0.8073	0.2466
30	0.9419	0.8149	0.7810	0.2337
35	1.1319	0.8036	0.7550	0.2228
40	1.3242	0.7933	0.7294	0.2134
45	1.5169	0.7838	0.7039	0.2048
50	1.7080	0.7751	0.6786	0.1969
55	1.8956	0.7669	0.6533	0.1895
60	2.0776	0.7594	0.6280	0.1822
65	2.2519	0.7523	0.6026	0.1752
70	2.4165	0.7458	0.5772	0.1682
75	2.5692	0.7397	0.5517	0.1613
80	2.7081	0.7340	0.5262	0.1549
85	2.8312	0.7286	0.5006	0.1473
90	2.9364	0.7237	0.4748	0.1402
95	3.0220	0.7191	0.4490	0.1331
100	3.0861	0.7148	0.4231	0.1258
105	3.1269	0.7108	0.3971	0.1185
110	3.1427	0.7071	0.3711	0.1111
115	3.1320	0.7038	0.3449	0.1035
120	3.0933	0.7007	0.3187	0.0959
125	3.0250	0.6978	0.2924	0.0882
130	2.9259	0.6953	0.2660	0.0805
135	2.7947	0.6930	0.2396	0.0726
140	2.6302	0.6910	0.2131	0.0647
145	2.4313	0.6892	0.1866	0.0568
150	2.1970	0.6876	0.1600	0.0488
155	1.9263	0.6863	0.1334	0.0407
160	1.6184	0.6853	0.1067	0.0326
165	1.2724	0.6844	0.0801	0.0245
170	0.8878	0.6839	0.0534	0.0163
175	0.4638	0.6835	0.0267	0.0082
180	0.	0.6834	0.	0.

BANNA=01.8000 ALPHA=10.000 K=201.000

DC= 3J8976 XR= 1J09100 BR= 1.111499
 FR= 4J1980 CR= 0.07327 QR= 1.72134

WETA	SE	KI	BI	SI
0	1.0000	0.9256	0.9447	0.7201
5	0.1811	0.8805	0.8907	0.4669
10	0.3996	0.8495	0.8496	0.3643
15	0.6214	0.8255	0.8146	0.3084
20	0.8452	0.8056	0.7830	0.2724
25	1.0711	0.7885	0.7535	0.2470
30	1.2980	0.7736	0.7256	0.2277
35	1.5248	0.7603	0.6987	0.2123
40	1.7499	0.7483	0.6725	0.1994
45	1.9715	0.7373	0.6468	0.1883
50	2.1875	0.7273	0.6216	0.1784
55	2.3961	0.7181	0.5967	0.1693
60	2.5949	0.7096	0.5721	0.1610
65	2.7821	0.7017	0.5476	0.1530
70	2.9555	0.6944	0.5233	0.1455
75	3.1131	0.6876	0.4991	0.1382
80	3.2529	0.6813	0.4750	0.1310
85	3.3731	0.6754	0.4509	0.1241
90	3.4718	0.6700	0.4270	0.1172
95	3.5473	0.6649	0.4030	0.1104
100	3.5981	0.6602	0.3791	0.1037
105	3.6226	0.6559	0.3553	0.0971
110	3.6194	0.6519	0.3314	0.0904
115	3.5871	0.6482	0.3076	0.0838
120	3.5244	0.6448	0.2839	0.0773
125	3.4302	0.6417	0.2601	0.0708
130	3.3033	0.6390	0.2364	0.0642
135	3.1425	0.6365	0.2127	0.0578
140	2.9469	0.6343	0.1890	0.0513
145	2.7153	0.6323	0.1653	0.0448
150	2.4467	0.6307	0.1417	0.0384
155	2.1402	0.6293	0.1181	0.0320
160	1.7945	0.6281	0.0944	0.0255
165	1.4088	0.6272	0.0708	0.0192
170	0.9819	0.6266	0.0472	0.0128
175	0.5126	0.6262	0.0236	0.0064
180	0.	0.6261	0.	0.

SAXNA = 0.8000 ALPHA = 11.000 K = 0.200										
DC = 1.7388 XO = 1.6658 BO = 2.162738 VZ = -0.3604E 01										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8885	1.5013	0.5028	0.8835	1.5013	0.6297			
5	1.0195	0.8820	1.4717	0.5074	0.8849	1.5301	0.6259	3.11505	3.2049	29.9271
10	1.0585	0.8806	1.4412	0.5110	0.8863	1.5581	0.6182	2.7133	2.8040	8.1325
15	1.1142	0.8792	1.4098	0.5137	0.8878	1.5862	0.6125	2.14941	2.6157	4.2246
20	1.1845	0.8779	1.3776	0.5154	0.8892	1.6144	0.6042	2.13538	2.5027	2.8053
25	1.2672	0.8764	1.3445	0.5160	0.8907	1.6367	0.4964	2.12531	2.4268	1.7626
30	1.3508	0.8751	1.3106	0.5155	0.8921	1.6613	0.4881	2.11762	2.3725	1.2632
35	1.4366	0.8738	1.2758	0.5138	0.8936	1.6849	0.4794	2.11150	2.3320	0.9415
40	1.5240	0.8725	1.2403	0.5110	0.8950	1.7078	0.4704	2.10647	2.3009	0.7216
45	1.6090	0.8712	1.2039	0.5070	0.8964	1.7298	0.4611	2.10225	2.2766	0.5648
50	1.6918	0.8699	1.1668	0.5019	0.8979	1.7511	0.4515	1.9866	2.2571	0.4493
55	1.7662	0.8687	1.1289	0.4956	0.8993	1.7715	0.4418	1.9556	2.2415	0.3620
60	2.0622	0.8675	1.0902	0.4879	0.9006	1.7911	0.4320	1.9285	2.2287	0.2947
65	2.1884	0.8664	1.0508	0.4790	0.9020	1.8100	0.4222	1.9047	2.2182	0.2419
70	2.3133	0.8653	1.0106	0.4689	0.9034	1.8281	0.4123	1.8836	2.2096	0.1999
75	2.4355	0.8642	0.9698	0.4576	0.9047	1.8455	0.4025	1.8647	2.2024	0.1662
80	2.5535	0.8632	0.9283	0.4451	0.9060	1.8622	0.3928	1.8479	2.1963	0.1389
85	2.6661	0.8622	0.8861	0.4314	0.9073	1.8781	0.3833	1.8327	2.1913	0.1165
90	2.7719	0.8612	0.8433	0.4165	0.9085	1.8934	0.3740	1.8190	2.1870	0.0982
95	2.8698	0.8603	0.7999	0.4004	0.9097	1.9079	0.3649	1.8066	2.1834	0.0829
100	2.9584	0.8594	0.7560	0.3833	0.9109	1.9219	0.3562	1.7953	2.1804	0.0703
105	3.0368	0.8586	0.7115	0.3651	0.9121	1.9352	0.3477	1.7850	2.1778	0.0598
110	3.1039	0.8578	0.6664	0.3458	0.9132	1.9479	0.3397	1.7757	2.1756	0.0510
115	3.1590	0.8571	0.6209	0.3255	0.9148	1.9599	0.3321	1.7671	2.1738	0.0436
120	3.2010	0.8565	0.5749	0.3043	0.9154	1.9715	0.3249	1.7593	2.1722	0.0374
125	3.2294	0.8558	0.5286	0.2822	0.9164	1.9824	0.3181	1.7521	2.1708	0.0322
130	3.2437	0.8553	0.4818	0.2593	0.9174	1.9928	0.3119	1.7455	2.1697	0.0278
135	3.2432	0.8547	0.4346	0.2356	0.9184	2.0027	0.3062	1.7395	2.1687	0.0241
140	3.2279	0.8543	0.3872	0.2113	0.9193	2.0121	0.3010	1.7339	2.1678	0.0211
145	3.1974	0.8539	0.3394	0.1863	0.9202	2.0210	0.2964	1.7288	2.1671	0.0186
150	3.1519	0.8536	0.2914	0.1607	0.9211	2.0295	0.2924	1.7240	2.1665	0.0165
155	3.0913	0.8532	0.2432	0.1347	0.9219	2.0375	0.2890	1.7197	2.1660	0.0149
160	3.0161	0.8530	0.1947	0.1082	0.9227	2.0441	0.2861	1.7157	2.1655	0.0136
165	2.9266	0.8528	0.1462	0.0814	0.9235	2.0522	0.2839	1.7120	2.1651	0.0126
170	2.8236	0.8528	0.0975	0.0544	0.9243	2.0590	0.2829	1.7085	2.1648	0.0117
175	2.7077	0.8525	0.0488	0.0273	0.9250	2.0654	0.2814	1.7054	2.1645	0.0115
180	2.5801	0.8525	0.	0.	0.9256	2.0715	0.2811	1.7025	2.1643	0.0114

SAXNA = 0.8000 ALPHA = 11.000 K = 0.400										
DC = 1.9952 XO = 1.4362 BO = 1.877298 VZ = -0.4028E 01										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8922	1.3339	0.3858	0.8922	1.3339	0.4072			
5	1.0369	0.8898	1.3082	0.3908	0.8946	1.3587	0.4018	2.17069	2.7530	17.1579
10	1.0864	0.8875	1.2817	0.3946	0.8970	1.3823	0.3958	2.13411	2.4182	5.8587
15	1.1522	0.8853	1.2545	0.3978	0.8994	1.4059	0.3893	2.11574	2.2609	3.0517
20	1.2331	0.8830	1.2264	0.4002	0.9018	1.4283	0.3823	2.10396	2.1664	1.8858
25	1.3272	0.8809	1.1975	0.4017	0.9043	1.4500	0.3750	1.9549	2.1029	1.2783
30	1.4328	0.8787	1.1679	0.4024	0.9068	1.4708	0.3672	1.8901	2.0574	0.9181
35	1.5482	0.8766	1.1374	0.4020	0.9092	1.4908	0.3592	1.8383	2.0235	0.6859
40	1.6715	0.8746	1.1062	0.4007	0.9117	1.5101	0.3509	1.7956	1.9974	0.5272
45	1.8011	0.8726	1.0742	0.3985	0.9142	1.5286	0.3424	1.7598	1.9768	0.4140
50	1.9352	0.8706	1.0414	0.3952	0.9167	1.5463	0.3338	1.7291	1.9604	0.3305
55	2.0722	0.8688	1.0079	0.3909	0.9192	1.5634	0.3251	1.7026	1.9471	0.2674
60	2.2102	0.8669	0.9737	0.3855	0.9217	1.5797	0.3163	1.6798	1.9363	0.2186
65	2.3477	0.8652	0.9388	0.3791	0.9241	1.5953	0.3076	1.6587	1.9273	0.1804
70	2.4829	0.8635	0.9033	0.3717	0.9266	1.6102	0.2989	1.6404	1.9199	0.1499
75	2.6134	0.8618	0.8670	0.3633	0.9290	1.6244	0.2901	1.6240	1.9136	0.1254
80	2.7393	0.8603	0.8301	0.3538	0.9314	1.6380	0.2817	1.6092	1.9084	0.1055
85	2.8583	0.8588	0.7926	0.3433	0.9338	1.6509	0.2735	1.5959	1.9040	0.0891
90	2.9689	0.8573	0.7546	0.3319	0.9362	1.6633	0.2655	1.5838	1.9002	0.0756
95	3.0697	0.8560	0.7159	0.3194	0.9385	1.6750	0.2578	1.5728	1.8970	0.0644
100	3.1594	0.8547	0.6767	0.3060	0.9408	1.6862	0.2504	1.5627	1.8943	0.0551
105	3.2368	0.8535	0.6370	0.2917	0.9431	1.6968	0.2433	1.5535	1.8920	0.0473
110	3.3009	0.8523	0.5968	0.2765	0.9453	1.7069	0.2365	1.5451	1.8900	0.0407
115	3.3505	0.8513	0.5561	0.2605	0.9475	1.7165	0.2302	1.5373	1.8883	0.0352
120	3.3849	0.8503	0.5150	0.2437	0.9497	1.7256	0.2242	1.5301	1.8868	0.0305
125	3.4033	0.8494	0.4735	0.2262	0.9518	1.7342	0.2186	1.5235	1.8855	0.0265
130	3.4051	0.8485	0.4317	0.2079	0.9538	1.7424	0.2135	1.5175	1.8844	0.0232
135	3.3897	0.8478	0.3895	0.1890	0.9558	1.7501	0.2088	1.5118	1.8835	0.0204
140	3.3569	0.8471	0.3470	0.1695	0.9578	1.7574	0.2046	1.5066	1.8827	0.0181
145	3.3065	0.8465	0.3042	0.1495	0.9597	1.7644	0.2008	1.5018	1.8820	0.0162
150	3.2383	0.8460	0.2612	0.1291	0.9616	1.7709	0.1976	1.4973	1.8814	0.0146
155	3.1528	0.8455	0.2180	0.1082	0.9634	1.7771	0.1948	1.4931	1.8808	0.0133
160	3.0501	0.8452	0.1746	0.0870	0.9651	1.7829	0.1925	1.4893	1.8804	0.0122
165	2.9309	0.8449	0.1311	0.0655	0.9668	1.7885	0.1907	1.4857	1.8800	0.0115
170	2.7959	0.8447	0.0874	0.0438	0.9685	1.7937	0.1894	1.4823	1.8796	0.0109
175	2.6459	0.8446	0.0437	0.0219	0.9701	1.7986	0.1887	1.4792	1.8793	0.0106
180	2.4822	0.8445	0.	0.	0.9716	1.8033	0.1884	1.4763	1.8791	0.0105

GAMMA = 0.8000

ALPHA = 11.000

K = 0.600

DC = 2.1189

X0 = 1.2621

B0 = 1.720583

W2 = -0.2048E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8981	1.2506	0.3337	0.8981	1.2508	0.3487			
5	1.0306	0.8990	1.2269	0.3386	0.9013	1.2738	0.3432	2.4816	2.5236	1.1679
10	1.1078	0.8999	1.2025	0.3427	0.9045	1.2996	0.3373	2.1917	2.2218	1.0560
15	1.1815	0.8889	1.1772	0.3461	0.9078	1.3169	0.3308	1.9853	2.0797	1.5370
20	1.2709	0.8866	1.1511	0.3488	0.9112	1.3374	0.3239	1.8787	1.9944	1.5729
25	1.3743	0.8831	1.1243	0.3507	0.9146	1.3572	0.3166	1.8017	1.9368	1.0702
30	1.4898	0.8803	1.0967	0.3517	0.9180	1.3761	0.3090	1.7425	1.8954	0.7720
35	1.6152	0.8776	1.0683	0.3519	0.9215	1.3944	0.3011	1.6950	1.8644	0.5797
40	1.7487	0.8750	1.0392	0.3512	0.9250	1.4118	0.2930	1.6557	1.8404	0.4482
45	1.8883	0.8724	1.0094	0.3496	0.9286	1.4285	0.2847	1.6226	1.8214	0.3543
50	2.0321	0.8699	0.9788	0.3471	0.9321	1.4443	0.2762	1.5940	1.8061	0.2947
55	2.1780	0.8675	0.9475	0.3437	0.9357	1.4598	0.2678	1.5691	1.7937	0.2324
60	2.3243	0.8652	0.9155	0.3399	0.9394	1.4743	0.2592	1.5472	1.7834	0.1918
65	2.4690	0.8630	0.8828	0.3359	0.9430	1.4882	0.2507	1.5277	1.7749	0.1599
70	2.6103	0.8608	0.8495	0.3326	0.9468	1.5014	0.2423	1.5102	1.7677	0.1344
75	2.7464	0.8588	0.8155	0.3204	0.9503	1.5140	0.2340	1.4945	1.7616	0.1138
80	2.8756	0.8568	0.7809	0.3122	0.9540	1.5239	0.2259	1.4801	1.7564	0.0970
85	2.9963	0.8549	0.7457	0.3032	0.9576	1.5373	0.2179	1.4671	1.7520	0.0832
90	3.1070	0.8532	0.7099	0.2932	0.9613	1.5480	0.2102	1.4552	1.7482	0.0717
95	3.2061	0.8515	0.6736	0.2823	0.9649	1.5582	0.2027	1.4442	1.7450	0.0622
100	3.2922	0.8499	0.6368	0.2706	0.9686	1.5678	0.1956	1.4340	1.7421	0.0541
105	3.3642	0.8484	0.5995	0.2581	0.9722	1.5769	0.1887	1.4247	1.7397	0.0474
110	3.4208	0.8470	0.5617	0.2447	0.9758	1.5853	0.1822	1.4160	1.7375	0.0417
115	3.4611	0.8457	0.5234	0.2306	0.9794	1.5936	0.1761	1.4079	1.7356	0.0369
120	3.4840	0.8444	0.4848	0.2158	0.9829	1.6013	0.1703	1.4004	1.7340	0.0328
125	3.4891	0.8433	0.4468	0.2008	0.9864	1.6085	0.1650	1.3934	1.7326	0.0293
130	3.4755	0.8423	0.4064	0.1842	0.9899	1.6153	0.1601	1.3868	1.7313	0.0263
135	3.4428	0.8414	0.3637	0.1675	0.9934	1.6217	0.1556	1.3807	1.7302	0.0238
140	3.3908	0.8405	0.3267	0.1502	0.9968	1.6277	0.1515	1.3749	1.7292	0.0217
145	3.3193	0.8398	0.2864	0.1325	1.0002	1.6333	0.1480	1.3695	1.7283	0.0200
150	3.2285	0.8391	0.2459	0.1144	1.0036	1.6387	0.1448	1.3644	1.7275	0.0185
155	3.1186	0.8386	0.2052	0.0959	1.0069	1.6436	0.1422	1.3596	1.7268	0.0173
160	2.9900	0.8382	0.1644	0.0771	1.0101	1.6483	0.1400	1.3550	1.7262	0.0164
165	2.8434	0.8378	0.1234	0.0580	1.0133	1.6527	0.1383	1.3508	1.7256	0.0157
170	2.6800	0.8376	0.0823	0.0388	1.0165	1.6568	0.1371	1.3467	1.7252	0.0152
175	2.5004	0.8374	0.0412	0.0194	1.0196	1.6607	0.1364	1.3429	1.7247	0.0149
180	2.3063	0.8374	0.	0.	1.0227	1.6643	0.1361	1.3392	1.7243	0.0148

GAMMA = 0.8000

ALPHA = 11.000

K = 0.800

DC = 2.2076

X0 = 1.1546

B0 = 1.598685

TR = 186.00

CR = 3.3845

QR = 0.2203E 04

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9025	1.1983	0.3040	0.9025	1.1983	0.3040			
5	1.0816	0.8987	1.1758	0.3087	0.9064	1.2201	0.2986	2.3353	2.3745	12.3873
10	1.1243	0.8949	1.1525	0.3128	0.9105	1.2410	0.2927	2.0283	2.0940	4.2602
15	1.2038	0.8913	1.1284	0.3163	0.9146	1.2612	0.2863	1.8730	1.9614	2.2333
20	1.2995	0.8877	1.1036	0.3190	0.9188	1.2806	0.2795	1.7732	1.8817	1.3900
25	1.4096	0.8843	1.0780	0.3209	0.9231	1.2999	0.2722	1.7008	1.8277	0.9502
30	1.5319	0.8809	1.0516	0.3221	0.9275	1.3172	0.2646	1.6449	1.7886	0.6892
35	1.6642	0.8777	1.0245	0.3225	0.9320	1.3344	0.2566	1.5997	1.7591	0.5208
40	1.8042	0.8745	0.9967	0.3221	0.9365	1.3508	0.2484	1.5622	1.7362	0.4055
45	1.9497	0.8715	0.9681	0.3208	0.9412	1.3665	0.2400	1.5303	1.7178	0.3231
50	2.0986	0.8686	0.9388	0.3186	0.9459	1.3814	0.2315	1.5027	1.7030	0.2623
55	2.2487	0.8657	0.9089	0.3156	0.9507	1.3957	0.2228	1.4784	1.6907	0.2161
60	2.3978	0.8630	0.8782	0.3117	0.9556	1.4093	0.2140	1.4568	1.6805	0.1804
65	2.5439	0.8604	0.8469	0.3069	0.9605	1.4222	0.2053	1.4374	1.6719	0.1522
70	2.6848	0.8579	0.8150	0.3012	0.9655	1.4345	0.1965	1.4199	1.6645	0.1297
75	2.8187	0.8555	0.7824	0.2947	0.9706	1.4461	0.1878	1.4039	1.6582	0.1114
80	2.9434	0.8532	0.7493	0.2872	0.9758	1.4572	0.1792	1.3892	1.6528	0.0965
85	3.0572	0.8511	0.7155	0.2789	0.9810	1.4676	0.1708	1.3756	1.6480	0.0842
90	3.1583	0.8490	0.6813	0.2698	0.9863	1.4775	0.1625	1.3629	1.6438	0.0740
95	3.2450	0.8470	0.6464	0.2598	0.9917	1.4868	0.1544	1.3512	1.6401	0.0654
100	3.3157	0.8452	0.6111	0.2491	0.9971	1.4956	0.1465	1.3401	1.6368	0.0582
105	3.3689	0.8435	0.5753	0.2376	1.0027	1.5039	0.1388	1.3297	1.6339	0.0522
110	3.4032	0.8419	0.5390	0.2253	1.0083	1.5117	0.1314	1.3198	1.6312	0.0470
115	3.4174	0.8403	0.5024	0.2124	1.0139	1.5191	0.1243	1.3104	1.6288	0.0426
120	3.4105	0.8390	0.4653	0.1987	1.0197	1.5260	0.1175	1.3014	1.6266	0.0389
125	3.3815	0.8377	0.4278	0.1845	1.0256	1.5325	0.1109	1.2928	1.6246	0.0357
130	3.3227	0.8365	0.3900	0.1696	1.0316	1.5387	0.1047	1.2845	1.6228	0.0331
135	3.2546	0.8354	0.3519	0.1543	1.0376	1.5444	0.0989	1.2765	1.6211	0.0308
140	3.1560	0.8345	0.3135	0.1384	1.0439	1.5498	0.0934	1.2686	1.6195	0.0290
145	3.0339	0.8336	0.2749	0.1221	1.0502	1.5550	0.0882	1.2609	1.6180	0.0275
150	2.8890	0.8329	0.2360	0.1054	1.0568	1.5598	0.0835	1.2533	1.6165	0.0264
155	2.7223	0.8323	0.1970	0.0883	1.0635	1.5643	0.0792	1.2457	1.6151	0.0256
160	2.5361	0.8318	0.1578	0.0710	1.0706	1.5688	0.0753	1.2381	1.6137	0.0252
165	2.3339	0.8314	0.1184	0.0535	1.0779	1.5727	0.0720	1.2303	1.6124	0.0252
170	2.1225	0.8311	0.0790	0.0357	1.0857	1.5766	0.0695	1.2223	1.6110	0.0259
175	1.9540	0.8310	0.0395	0.0179	1.0941	1.5804	0.1397	1.2139	1.6096	0.0643
180	3.4748	0.8309	0.	0.	1.1034	1.5841	0.1361	1.2047	1.6080	0.0608

GAMMA = 0.8000 ALPHA = 11.000 K = 1.000

DC = 2.2770 XR = 1.1355 BR = 1.513629 TR = 131.55 CR = 2.2960 QR = 0.3931E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9059	1.1617	0.2852	0.9059	1.1617	0.2852			
5	1.0726	0.9014	1.1399	0.2897	0.9106	1.1827	0.2801	2.2289	2.2662	11.1740
10	1.1431	0.8970	1.1173	0.2936	0.9153	1.2030	0.2745	1.9381	2.0006	3.8567
15	1.2316	0.8928	1.0940	0.2969	0.9203	1.2225	0.2684	1.7911	1.8752	2.0298
20	1.3379	0.8887	1.0700	0.2995	0.9253	1.2413	0.2619	1.6956	1.7990	1.2695
25	1.4597	0.8847	1.0452	0.3014	0.9305	1.2594	0.2551	1.6262	1.7472	0.8729
30	1.5948	0.8809	1.0196	0.3026	0.9359	1.2767	0.2479	1.5723	1.7096	0.6375
35	1.7408	0.8772	0.9934	0.3036	0.9414	1.2933	0.2405	1.5286	1.6809	0.4856
40	1.8955	0.8736	0.9664	0.3027	0.9470	1.3091	0.2328	1.4920	1.6584	0.3817
45	2.0566	0.8702	0.9387	0.3015	0.9529	1.3243	0.2250	1.4605	1.6403	0.3074
50	2.2220	0.8668	0.9103	0.2995	0.9588	1.3388	0.2171	1.4331	1.6254	0.2527
55	2.3896	0.8637	0.8813	0.2967	0.9650	1.3526	0.2092	1.4087	1.6129	0.2113
60	2.5574	0.8606	0.8516	0.2930	0.9713	1.3658	0.2012	1.3868	1.6024	0.1793
65	2.7235	0.8577	0.8212	0.2885	0.9779	1.3783	0.1934	1.3668	1.5933	0.1543
70	2.8863	0.8549	0.7903	0.2832	0.9846	1.3903	0.1856	1.3485	1.5854	0.1344
75	3.0443	0.8522	0.7587	0.2770	0.9916	1.4017	0.1781	1.3314	1.5784	0.1186
80	3.1963	0.8496	0.7265	0.2701	0.9988	1.4125	0.1708	1.3155	1.5722	0.1060
85	3.3416	0.8472	0.6938	0.2623	1.0063	1.4228	0.1638	1.3003	1.5666	0.0959
90	3.4800	0.8449	0.6606	0.2537	1.0141	1.4326	0.1573	1.2859	1.5615	0.0879
95	3.6124	0.8428	0.6268	0.2443	1.0223	1.4420	0.1514	1.2720	1.5568	0.0819
100	3.7412	0.8407	0.5925	0.2342	1.0310	1.4509	0.1462	1.2583	1.5523	0.0776
105	3.8715	0.8388	0.5578	0.2234	1.0402	1.4596	0.1420	1.2448	1.5480	0.0751
110	4.0143	0.8370	0.5227	0.2119	1.0502	1.4679	0.1394	1.2311	1.5438	0.0747
115	4.1929	0.8354	0.4871	0.1997	1.0612	1.4762	0.1393	1.2170	1.5395	0.0772
120	4.4670	0.8338	0.4511	0.1868	1.0739	1.4845	0.1441	1.2017	1.5349	0.0850
125	5.0412	0.8324	0.4148	0.1734	1.0893	1.4934	0.1621	1.1840	1.5296	0.1061
130	7.8309	0.8311	0.3782	0.1595	1.1132	1.5048	0.2695	1.1582	1.5215	0.2178
135	1.8583	0.8300	0.3412	0.1450						
140	1.7605	0.8289	0.3040	0.1301						
145	1.6369	0.8280	0.2665	0.1148						
150	1.4866	0.8272	0.2288	0.0991						
155	1.3090	0.8265	0.1910	0.0830						
160	1.1036	0.8260	0.1530	0.0668						
165	0.8701	0.8255	0.1148	0.0503						
170	0.6083	0.8252	0.0766	0.0336						
175	0.3181	0.8250	0.0383	0.0168						
180	0.	0.8250	0.	0.						

GAMMA = 0.8000 ALPHA = 11.000 K = 1.200

DC = 2.3340 XR = 1.1248 BR = 1.452510 TR = 102.28 CR = 1.7851 QR = 0.1711E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9087	1.1343	0.2727	0.9087	1.1343	0.2727			
5	1.0830	0.9035	1.1130	0.2769	0.9140	1.1550	0.2681	2.1462	2.1819	10.2796
10	1.1616	0.8986	1.0909	0.2806	0.9195	1.1749	0.2629	1.8679	1.9279	3.5612
15	1.2600	0.8938	1.0681	0.2836	0.9252	1.1940	0.2573	1.7268	1.8076	1.8827
20	1.3779	0.8892	1.0446	0.2860	0.9311	1.2125	0.2514	1.6346	1.7341	1.1840
25	1.5130	0.8847	1.0203	0.2878	0.9372	1.2302	0.2452	1.5673	1.6838	0.8196
30	1.6630	0.8805	0.9954	0.2888	0.9436	1.2473	0.2388	1.5147	1.6470	0.6034
35	1.8258	0.8764	0.9697	0.2892	0.9502	1.2636	0.2322	1.4716	1.6187	0.4640
40	1.9994	0.8724	0.9433	0.2888	0.9570	1.2793	0.2255	1.4353	1.5963	0.3689
45	2.1818	0.8686	0.9163	0.2876	0.9642	1.2944	0.2188	1.4038	1.5779	0.3013
50	2.3717	0.8649	0.8885	0.2856	0.9716	1.3089	0.2122	1.3759	1.5626	0.2518
55	2.5679	0.8614	0.8602	0.2829	0.9794	1.3227	0.2058	1.3508	1.5496	0.2148
60	2.7698	0.8581	0.8311	0.2794	0.9876	1.3360	0.1998	1.3279	1.5383	0.1868
65	2.9780	0.8549	0.8015	0.2751	0.9963	1.3488	0.1942	1.3066	1.5283	0.1657
70	3.1944	0.8518	0.7712	0.2699	1.0055	1.3612	0.1895	1.2864	1.5193	0.1501
75	3.4237	0.8489	0.7404	0.2640	1.0153	1.3731	0.1859	1.2671	1.5110	0.1391
80	3.6764	0.8461	0.7090	0.2574	1.0261	1.3848	0.1841	1.2482	1.5031	0.1326
85	3.9748	0.8435	0.6771	0.2499	1.0380	1.3964	0.1855	1.2293	1.4955	0.1313
90	4.3752	0.8410	0.6446	0.2417	1.0517	1.4082	0.1931	1.2095	1.4877	0.1378
95	5.0583	0.8387	0.6116	0.2328	1.0685	1.4207	0.2165	1.1875	1.4790	0.1612
100	7.2952	0.8365	0.5782	0.2231	1.0931	1.4361	0.3233	1.1584	1.4673	0.2688
105	2.0485	0.8344	0.5443	0.2128						
110	2.0830	0.8325	0.5100	0.2018						
115	2.0983	0.8307	0.4753	0.1901						
120	2.0929	0.8290	0.4402	0.1779						
125	2.0652	0.8275	0.4047	0.1651						
130	2.0140	0.8261	0.3690	0.1518						
135	1.9379	0.8249	0.3329	0.1381						
140	1.8359	0.8237	0.2966	0.1238						
145	1.7069	0.8227	0.2600	0.1092						
150	1.5501	0.8219	0.2233	0.0943						
155	1.3649	0.8212	0.1863	0.0790						
160	1.1507	0.8206	0.1492	0.0635						
165	0.9071	0.8201	0.1120	0.0478						
170	0.6341	0.8198	0.0747	0.0320						
175	0.3317	0.8196	0.0374	0.0160						
180	0.	0.8195	0.	0.						

GAMMA = 0.8000 ALPHA = 11.000 K = 1.400

DC = 2.3826 XR = 1.1177 BR = 1.406564 TR = 84.43 CR = 1.4738 QR = 0.1017E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9109	1.1131	0.2644	0.9109	1.1131	0.2644			
5	1.0930	0.9052	1.0920	0.2681	0.9169	1.1334	0.2602	2.0791	2.1136	9.5857
10	1.1802	0.8997	1.0702	0.2714	0.9231	1.1531	0.2557	1.8108	1.8688	3.3339
15	1.2894	0.8944	1.0477	0.2741	0.9296	1.1721	0.2508	1.6742	1.7524	1.7712
20	1.4202	0.8893	1.0245	0.2762	0.9363	1.1905	0.2457	1.5845	1.6808	1.1208
25	1.5705	0.8845	1.0007	0.2777	0.9434	1.2082	0.2405	1.5186	1.6316	0.7816
30	1.7383	0.8798	0.9761	0.2786	0.9508	1.2252	0.2351	1.4667	1.5952	0.5807
35	1.9222	0.8753	0.9509	0.2788	0.9586	1.2417	0.2299	1.4238	1.5669	0.4517
40	2.1210	0.8710	0.9249	0.2783	0.9668	1.2576	0.2248	1.3873	1.5442	0.3643
45	2.3346	0.8669	0.8983	0.2770	0.9755	1.2729	0.2202	1.3552	1.5253	0.3029
50	2.5641	0.8629	0.8711	0.2751	0.9848	1.2878	0.2162	1.3264	1.5092	0.2590
55	2.8125	0.8591	0.8432	0.2724	0.9947	1.3022	0.2133	1.2999	1.4951	0.2277
60	3.0875	0.8555	0.8147	0.2689	1.0056	1.3164	0.2122	1.2749	1.4825	0.2062
65	3.4051	0.8521	0.7856	0.2647	1.0176	1.3304	0.2140	1.2509	1.4707	0.1936
70	3.8031	0.8488	0.7560	0.2597	1.0312	1.3446	0.2212	1.2268	1.4593	0.1909
75	4.2874	0.8457	0.7257	0.2539	1.0474	1.3594	0.2410	1.2017	1.4476	0.2039
80	5.6317	0.8427	0.6949	0.2475	1.0691	1.3763	0.3041	1.1723	1.4338	0.2627
85	1.8198	0.8399	0.6635	0.2402						
90	1.9172	0.8373	0.6317	0.2323						
95	2.0019	0.8348	0.5994	0.2237						
100	2.0720	0.8324	0.5666	0.2144						
105	2.1257	0.8302	0.5333	0.2044						
110	2.1612	0.8282	0.4997	0.1938						
115	2.1768	0.8263	0.4657	0.1826						
120	2.1709	0.8245	0.4313	0.1709						
125	2.1420	0.8229	0.3965	0.1586						
130	2.0886	0.8214	0.3615	0.1458						
135	2.0095	0.8201	0.3261	0.1325						
140	1.9035	0.8189	0.2906	0.1189						
145	1.7697	0.8179	0.2547	0.1049						
150	1.6070	0.8170	0.2187	0.0905						
155	1.4149	0.8162	0.1825	0.0759						
160	1.1928	0.8156	0.1462	0.0610						
165	0.9403	0.8151	0.1098	0.0459						
170	0.6573	0.8147	0.0732	0.0307						
175	0.3438	0.8145	0.0366	0.0154						
180	0.	0.8145	0.	0.						

GAMMA = 0.8000 ALPHA = 11.000 K = 1.600

DC = 2.4249 XR = 1.1127 BR = 1.370770 TR = 72.18 CR = 1.2598 QR = 0.7031E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8128	1.0960	0.2589	0.9128	1.0960	0.2589			
5	1.1027	0.9065	1.0750	0.2621	0.9194	1.1163	0.2553	2.0231	2.0565	9.0274
10	1.1990	0.9005	1.0534	0.2648	0.9263	1.1359	0.2515	1.7630	1.8193	3.1528
15	1.3199	0.8947	1.0311	0.2671	0.9336	1.1549	0.2476	1.6298	1.7058	1.6840
20	1.4651	0.8892	1.0082	0.2689	0.9412	1.1733	0.2436	1.5420	1.6357	1.0727
25	1.6329	0.8840	0.9846	0.2701	0.9493	1.1912	0.2396	1.4770	1.5871	0.7544
30	1.8204	0.8789	0.9603	0.2708	0.9578	1.2084	0.2360	1.4254	1.5508	0.5666
35	2.0335	0.8741	0.9354	0.2708	0.9670	1.2252	0.2328	1.3823	1.5222	0.4468
40	2.2680	0.8695	0.9098	0.2701	0.9768	1.2416	0.2305	1.3451	1.4989	0.3669
45	2.5303	0.8651	0.8836	0.2688	0.9874	1.2577	0.2297	1.3119	1.4791	0.3127
50	2.8309	0.8609	0.8567	0.2667	0.9991	1.2736	0.2314	1.2813	1.4617	0.2767
55	3.1926	0.8568	0.8292	0.2640	1.0122	1.2895	0.2374	1.2522	1.4457	0.2561
60	3.6731	0.8530	0.8012	0.2605	1.0275	1.3059	0.2524	1.2233	1.4304	0.2519
65	4.2819	0.8493	0.7725	0.2563	1.0466	1.3237	0.2908	1.1926	1.4144	0.2769
70	6.9231	0.8459	0.7432	0.2514	1.0755	1.3465	0.4579	1.1537	1.3940	0.4346
75	1.6497	0.8426	0.7135	0.2458						
80	1.7705	0.8394	0.6831	0.2395						
85	1.8820	0.8365	0.6523	0.2324						
90	1.9823	0.8337	0.6209	0.2247						
95	2.0695	0.8310	0.5891	0.2163						
100	2.1415	0.8286	0.5569	0.2072						
105	2.1966	0.8262	0.5242	0.1976						
110	2.2329	0.8241	0.4911	0.1873						
115	2.2486	0.8221	0.4576	0.1765						
120	2.2422	0.8202	0.4238	0.1651						
125	2.2120	0.8186	0.3897	0.1532						
130	2.1567	0.8170	0.3552	0.1408						
135	2.0748	0.8156	0.3205	0.1280						
140	1.9652	0.8144	0.2855	0.1148						
145	1.8268	0.8133	0.2503	0.1013						
150	1.6588	0.8123	0.2149	0.0874						
155	1.4604	0.8115	0.1793	0.0732						
160	1.2311	0.8109	0.1436	0.0589						
165	0.9705	0.8104	0.1078	0.0443						
170	0.6784	0.8100	0.0719	0.0296						
175	0.3548	0.8098	0.0360	0.0148						
180	0.	0.8097	0.	0.						

GAMMA = 0.8000

ALPHA = 11.000

K = 1.800

DQ = 2.4626

XR = 1.1088

BR = 1.342093

TR = 63.18

CR = 1.1026

QR = 0.5306E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9144	1.0819	0.2553	0.9144	1.0819	0.2553			
5	1.1123	0.9076	1.0610	0.2579	0.9216	1.1022	0.2526	1.9750	2.0075	8.5666
10	1.2182	0.9011	1.0395	0.2601	0.9292	1.1219	0.2497	1.17217	1.7766	3.0050
15	1.3518	0.8949	1.0173	0.2620	0.9373	1.1411	0.2469	1.5912	1.6654	1.6143
20	1.5129	0.8890	0.9945	0.2634	0.9458	1.1597	0.2443	1.5050	1.5966	1.0357
25	1.7012	0.8833	0.9711	0.2643	0.9550	1.1778	0.2421	1.4406	1.5483	0.7353
30	1.9174	0.8779	0.9470	0.2646	0.9648	1.1956	0.2408	1.3889	1.5118	0.5592
35	2.1650	0.8728	0.9223	0.2644	0.9754	1.2130	0.2410	1.3462	1.4827	0.4486
40	2.4526	0.8679	0.8970	0.2636	0.9872	1.2303	0.2436	1.3068	1.4583	0.3774
45	2.7990	0.8632	0.8711	0.2621	1.0004	1.2473	0.2504	1.2717	1.4370	0.3335
50	3.2506	0.8588	0.8445	0.2599	1.0157	1.2655	0.2658	1.2380	1.4173	0.3132
55	3.9490	0.8545	0.8174	0.2571	1.0345	1.2848	0.3021	1.2037	1.3978	0.3241
60	5.6814	0.8505	0.7896	0.2536	1.0614	1.3083	0.4289	1.1636	1.3750	0.4328
65	1.4328	0.8466	0.7613	0.2495						
70	1.5700	0.8430	0.7324	0.2446						
75	1.7016	0.8395	0.7030	0.2390						
80	1.8257	0.8362	0.6731	0.2328						
85	1.9401	0.8331	0.6427	0.2259						
90	2.0430	0.8302	0.6117	0.2183						
95	2.1323	0.8275	0.5804	0.2101						
100	2.2060	0.8249	0.5486	0.2013						
105	2.2623	0.8225	0.5163	0.1918						
110	2.2992	0.8202	0.4837	0.1818						
115	2.3150	0.8181	0.4507	0.1713						
120	2.3081	0.8162	0.4174	0.1602						
125	2.2767	0.8144	0.3838	0.1486						
130	2.2194	0.8128	0.3498	0.1366						
135	2.1349	0.8114	0.3156	0.1242						
140	2.0219	0.8101	0.2812	0.1114						
145	1.8794	0.8090	0.2465	0.0982						
150	1.7064	0.8080	0.2116	0.0847						
155	1.5022	0.8072	0.1766	0.0710						
160	1.2663	0.8065	0.1415	0.0571						
165	0.9982	0.8059	0.1062	0.0430						
170	0.6977	0.8056	0.0708	0.0287						
175	0.3649	0.8053	0.0354	0.0144						
180	0.	0.8053	0.	0.						

GAMMA = 0.8000

ALPHA = 11.000

K = 2.000

DQ = 2.4965

XR = 1.1059

BR = 1.318597

TR = 56.24

CR = 0.9816

QR = 0.4234E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9158	1.0701	0.2533	0.9158	1.0701	0.2533			
5	1.1217	0.9084	1.0492	0.2551	0.9236	1.0905	0.2514	1.9332	1.9650	8.1777
10	1.2378	0.9014	1.0277	0.2567	0.9319	1.1104	0.2496	1.6856	1.7393	2.8819
15	1.3850	0.8948	1.0056	0.2581	0.9408	1.1298	0.2482	1.5578	1.6304	1.5573
20	1.5641	0.8885	0.9829	0.2591	0.9503	1.1487	0.2474	1.4723	1.5621	1.0072
25	1.7764	0.8825	0.9596	0.2596	0.9605	1.1674	0.2477	1.4080	1.5138	0.7228
30	2.0264	0.8769	0.9357	0.2597	0.9718	1.1858	0.2499	1.3569	1.4768	0.5579
35	2.3252	0.8714	0.9111	0.2592	0.9843	1.2042	0.2553	1.3112	1.4468	0.4675
40	2.6983	0.8663	0.8860	0.2582	0.9985	1.2230	0.2667	1.2710	1.4209	0.3984
45	3.2128	0.8614	0.8603	0.2565	1.0154	1.2426	0.2908	1.2326	1.3972	0.3739
50	4.1083	0.8567	0.8340	0.2543	1.0372	1.2648	0.3512	1.1930	1.3732	0.4003
55	7.9401	0.8522	0.8071	0.2514	1.0740	1.2957	0.7044	1.1411	1.3415	0.7291
60	1.3309	0.8480	0.7796	0.2479						
65	1.4752	0.8440	0.7516	0.2437						
70	1.6159	0.8402	0.7230	0.2388						
75	1.7507	0.8366	0.6939	0.2333						
80	1.8777	0.8332	0.6644	0.2271						
85	1.9948	0.8299	0.6343	0.2203						
90	2.0999	0.8269	0.6037	0.2129						
95	2.1911	0.8240	0.5727	0.2048						
100	2.2669	0.8214	0.5413	0.1962						
105	2.3236	0.8189	0.5095	0.1869						
110	2.3611	0.8165	0.4773	0.1771						
115	2.3769	0.8144	0.4447	0.1668						
120	2.3694	0.8124	0.4118	0.1560						
125	2.3368	0.8106	0.3786	0.1447						
130	2.2777	0.8089	0.3451	0.1330						
135	2.1907	0.8074	0.3114	0.1209						
140	2.0746	0.8061	0.2774	0.1084						
145	1.9281	0.8049	0.2432	0.0956						
150	1.7505	0.8039	0.2088	0.0825						
155	1.5410	0.8030	0.1742	0.0691						
160	1.2989	0.8023	0.1395	0.0556						
165	1.0238	0.8018	0.1047	0.0418						
170	0.7156	0.8014	0.0699	0.0279						
175	0.3743	0.8012	0.0350	0.0140						
180	0.	0.8011	0.	0.						

GAMMA = 0.8000 ALPHA = 11.000 K = 2.200

DC = 2.5275 XR = 1.1034 BR = 1.298990 TR = 50.72 CR = 0.8852 QR = 0.3511E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9170	1.0601	0.2524	0.9170	1.0601	0.2524			
5	1.1311	0.9091	1.0391	0.2534	0.9254	1.0807	0.2515	1.8963	1.9274	7.8443
10	1.2580	0.9017	1.0175	0.2544	0.9344	1.1008	0.2510	1.6537	1.7062	2.7777
15	1.4199	0.8946	0.9954	0.2552	0.9441	1.1205	0.2512	1.5277	1.5989	1.5107
20	1.6191	0.8880	0.9728	0.2557	0.9546	1.1399	0.2527	1.4429	1.5311	0.9856
25	1.8601	0.8817	0.9496	0.2559	0.9661	1.1592	0.2563	1.3785	1.4826	0.7160
30	2.1542	0.8757	0.9258	0.2557	0.9790	1.1786	0.2635	1.3256	1.4449	0.5628
35	2.5286	0.8700	0.9014	0.2549	0.9938	1.1984	0.2776	1.2793	1.4134	0.4753
40	3.0560	0.8646	0.8764	0.2537	1.0115	1.2194	0.3067	1.2362	1.3853	0.4366
45	4.0126	0.8595	0.8508	0.2519	1.0347	1.2432	0.3810	1.1920	1.3571	0.4641
50	1.0689	0.8546	0.8247	0.2495						
55	1.2184	0.8500	0.7980	0.2465						
60	1.3680	0.8456	0.7708	0.2429						
65	1.5157	0.8414	0.7430	0.2387						
70	1.6594	0.8375	0.7147	0.2338						
75	1.7972	0.8337	0.6859	0.2284						
80	1.9268	0.8302	0.6566	0.2222						
85	2.0464	0.8268	0.6269	0.2155						
90	2.1536	0.8237	0.5967	0.2082						
95	2.2465	0.8208	0.5660	0.2002						
100	2.3231	0.8180	0.5349	0.1917						
105	2.3813	0.8154	0.5034	0.1827						
110	2.4192	0.8130	0.4716	0.1731						
115	2.4349	0.8108	0.4394	0.1629						
120	2.4268	0.8087	0.4069	0.1524						
125	2.3931	0.8069	0.3741	0.1413						
130	2.3322	0.8052	0.3410	0.1299						
135	2.2429	0.8036	0.3076	0.1180						
140	2.1237	0.8022	0.2740	0.1058						
145	1.9737	0.8010	0.2402	0.0933						
150	1.7917	0.8000	0.2062	0.0805						
155	1.5771	0.7991	0.1721	0.0674						
160	1.3293	0.7984	0.1378	0.0542						
165	1.0477	0.7978	0.1035	0.0408						
170	0.7323	0.7974	0.0690	0.0273						
175	0.3830	0.7972	0.0345	0.0137						
180	0.	0.7971	0.	0.						

GAMMA = 0.8000 ALPHA = 11.000 K = 2.600

DC = 2.5823 XR = 1.0998 BR = 1.268120 TR = 42.45 CR = 0.7410 QR = 0.2606E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9190	1.0440	0.2530	0.9190	1.0440	0.2530			
5	1.1498	0.9101	1.0226	0.2524	0.9286	1.0650	0.2545	1.8933	1.8633	7.3008
10	1.2999	0.9018	1.0009	0.2518	0.9390	1.0867	0.2571	1.5987	1.6495	2.8118
15	1.4949	0.8940	0.9787	0.2515	0.9504	1.1084	0.2617	1.4757	1.5446	1.4403
20	1.7430	0.8867	0.9560	0.2511	0.9631	1.1321	0.2696	1.3914	1.4770	0.9587
25	2.0620	0.8798	0.9329	0.2505	0.9776	1.1582	0.2836	1.3259	1.4274	0.7183
30	2.4995	0.8733	0.9092	0.2496	0.9948	1.1705	0.3101	1.2702	1.3872	0.5951
35	3.2096	0.8671	0.8850	0.2483	1.0166	1.1952	0.3692	1.2180	1.3509	0.5593
40	5.2144	0.8613	0.8602	0.2466	1.0499	1.2276	0.5957	1.1600	1.3112	0.7225
45	0.9721	0.8558	0.8349	0.2445						
50	1.1261	0.8505	0.8091	0.2418						
55	1.2820	0.8456	0.7828	0.2386						
60	1.4378	0.8409	0.7559	0.2349						
65	1.5914	0.8364	0.7285	0.2305						
70	1.7408	0.8322	0.7007	0.2256						
75	1.8838	0.8283	0.6723	0.2202						
80	2.0182	0.8245	0.6435	0.2141						
85	2.1420	0.8210	0.6143	0.2075						
90	2.2529	0.8177	0.5846	0.2003						
95	2.3488	0.8146	0.5545	0.1926						
100	2.4276	0.8117	0.5240	0.1843						
105	2.4873	0.8089	0.4931	0.1755						
110	2.5259	0.8064	0.4619	0.1662						
115	2.5414	0.8041	0.4303	0.1564						
120	2.5320	0.8019	0.3984	0.1462						
125	2.4960	0.8000	0.3663	0.1356						
130	2.4319	0.7982	0.3338	0.1246						
135	2.3382	0.7966	0.3011	0.1132						
140	2.2135	0.7951	0.2682	0.1014						
145	2.0566	0.7939	0.2351	0.0894						
150	1.8667	0.7928	0.2019	0.0771						
155	1.6429	0.7918	0.1685	0.0646						
160	1.3846	0.7911	0.1349	0.0519						
165	1.0912	0.7905	0.1013	0.0391						
170	0.7627	0.7901	0.0676	0.0261						
175	0.3989	0.7898	0.0338	0.0131						
180	0.	0.7898	0.	0.						

GAMMA = 0.8000 ALPHA = 11.000 K = 3.000

DC = 2.6301 XR = 1.0971 BR = 1.244912 TR = 36.54 CR = 0.6378 QR = 0.2068E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9205	1.0315	0.2560	0.9205	1.0315	0.2560			
5	1.1687	0.9107	1.0098	0.2532	0.9313	1.0531	0.2603	1.7812	1.8103	6.8742
10	1.3441	0.9016	0.9877	0.2512	0.9432	1.0747	0.2669	1.5532	1.6025	2.4859
15	1.5782	0.8931	0.9653	0.2496	0.9565	1.0966	0.2775	1.4316	1.4987	1.3929
20	1.8911	0.8852	0.9426	0.2482	0.9718	1.1191	0.2958	1.3469	1.4306	0.9505
25	2.3363	0.8777	0.9194	0.2468	0.9902	1.1430	0.3296	1.2790	1.3787	0.7446
30	3.1039	0.8708	0.8957	0.2452	1.0141	1.1704	0.4080	1.2176	1.3336	0.6818
35	5.9328	0.8642	0.8716	0.2434	1.0544	1.2094	0.7988	1.1478	1.2831	0.9828
40	0.8637	0.8580	0.8470	0.2413						
45	1.0198	0.8521	0.8219	0.2388						
50	1.1797	0.8466	0.7963	0.2358						
55	1.3413	0.8414	0.7702	0.2324						
60	1.5025	0.8364	0.7436	0.2285						
65	1.6614	0.8317	0.7166	0.2241						
70	1.8157	0.8273	0.6891	0.2191						
75	1.9632	0.8232	0.6611	0.2136						
80	2.1018	0.8192	0.6327	0.2076						
85	2.2292	0.8156	0.6038	0.2010						
90	2.3432	0.8121	0.5746	0.1940						
95	2.4417	0.8088	0.5449	0.1864						
100	2.5224	0.8058	0.5149	0.1783						
105	2.5832	0.8030	0.4845	0.1697						
110	2.6222	0.8004	0.4538	0.1606						
115	2.6373	0.7979	0.4227	0.1511						
120	2.6267	0.7957	0.3914	0.1412						
125	2.5886	0.7936	0.3597	0.1309						
130	2.5214	0.7918	0.3279	0.1202						
135	2.4236	0.7901	0.2957	0.1092						
140	2.2939	0.7886	0.2634	0.0979						
145	2.1310	0.7873	0.2309	0.0863						
150	1.9339	0.7862	0.1982	0.0744						
155	1.7018	0.7852	0.1654	0.0623						
160	1.4340	0.7844	0.1325	0.0501						
165	1.1301	0.7838	0.0994	0.0377						
170	0.7898	0.7834	0.0663	0.0252						
175	0.4130	0.7831	0.0332	0.0126						
180	0.	0.7830	0.	0.						

GAMMA=0.8000 ALPHA=11.000 K= 4.00

DC= 2.7287 XR= 1.09287 BR= 1.20610 TR=27.1572 CR= 0.47398 QR=13.59973										
THETA	ST	X1	B1	S1						
0	1.0000	0.9233	1.0100	0.2695						
5	1.2171	0.9112	0.9869	0.2604						
10	1.4677	0.9002	0.9639	0.2540						
15	1.8383	0.8902	0.9409	0.2491						
20	2.4687	0.8809	0.9177	0.2451						
25	4.3772	0.8724	0.8942	0.2417						
30	0.6403	0.8644	0.8705	0.2385						
35	0.7964	0.8570	0.8464	0.2354						
40	0.9598	0.8500	0.8219	0.2322						
45	1.1286	0.8435	0.7971	0.2288						
50	1.3009	0.8373	0.7718	0.2252						
55	1.4744	0.8315	0.7461	0.2212						
60	1.6472	0.8261	0.7201	0.2169						
65	1.8169	0.8210	0.6936	0.2122						
70	1.9813	0.8162	0.6667	0.2071						
75	2.1382	0.8116	0.6393	0.2015						
80	2.2851	0.8074	0.6117	0.1955						
85	2.4199	0.8034	0.5836	0.1890						
90	2.5400	0.7996	0.5551	0.1821						
95	2.6433	0.7961	0.5263	0.1747						
100	2.7275	0.7928	0.4972	0.1669						
105	2.7903	0.7898	0.4677	0.1587						
110	2.8297	0.7870	0.4380	0.1501						
115	2.8435	0.7844	0.4079	0.1411						
120	2.8298	0.7820	0.3776	0.1318						
125	2.7868	0.7798	0.3470	0.1229						
130	2.7127	0.7778	0.3162	0.1120						
135	2.6060	0.7760	0.2852	0.1017						
140	2.4653	0.7744	0.2540	0.0911						
145	2.2892	0.7730	0.2226	0.0802						
150	2.0767	0.7718	0.1911	0.0692						
155	1.8269	0.7708	0.1595	0.0579						
160	1.5390	0.7700	0.1277	0.0465						
165	1.2126	0.7693	0.0958	0.0350						
170	0.8474	0.7689	0.0639	0.0234						
175	0.4431	0.7686	0.0320	0.0117						
180	0.	0.7684	0.	0.						

GAMMA=0.8000 ALPHA=11.000 K= 5.00

DC= 2.8081 XR= 1.09034 BR= 1.18212 TR=21.6303 CR= 0.37752 QR=10.12673										
THETA	ST	X1	B1	S1						
0	1.0000	0.9252	0.9963	0.2877						
5	1.2682	0.9108	0.9716	0.2711						
10	1.6148	0.8982	0.9475	0.2597						
15	2.2334	0.8868	0.9237	0.2514						
20	4.4276	0.8765	0.8999	0.2449						
25	0.5469	0.8670	0.8761	0.2395						
30	0.7049	0.8583	0.8522	0.2348						
35	0.872	0.8501	0.8280	0.2305						
40	1.047	0.8426	0.8036	0.2264						
45	1.2215	0.8355	0.7788	0.2222						
50	1.4079	0.8289	0.7538	0.2180						
55	1.5912	0.8227	0.7283	0.2136						
60	1.7732	0.8169	0.7026	0.2089						
65	1.9516	0.8115	0.6765	0.2039						
70	2.1240	0.8063	0.6500	0.1985						
75	2.2882	0.8015	0.6232	0.1929						
80	2.4416	0.7970	0.5960	0.1868						
85	2.5819	0.7928	0.5685	0.1804						
90	2.7066	0.7888	0.5406	0.1735						
95	2.8134	0.7852	0.5124	0.1663						
100	2.8999	0.7817	0.4840	0.1588						
105	2.9639	0.7785	0.4552	0.1508						
110	3.0031	0.7756	0.4261	0.1425						
115	3.0154	0.7728	0.3968	0.1339						
120	2.9988	0.7703	0.3673	0.1249						
125	2.9513	0.7680	0.3375	0.1156						
130	2.8712	0.7660	0.3075	0.1060						
135	2.7569	0.7641	0.2773	0.0962						
140	2.6068	0.7624	0.2469	0.0862						
145	2.4197	0.7610	0.2164	0.0759						
150	2.1944	0.7597	0.1857	0.0654						
155	1.9298	0.7586	0.1550	0.0547						
160	1.6254	0.7578	0.1241	0.0440						
165	1.2804	0.7571	0.0931	0.0331						
170	0.8946	0.7566	0.0621	0.0221						
175	0.4678	0.7563	0.0311	0.0111						
180	0.	0.7562	0.	0.						

GAMMA=0.8000 ALPHA=11.000 K= 6.00

DC= 2.8753 XR= 1.08866 BR= 1.16583
TR=17.9805 CR= 0.31382 QR= 8.06731

THETA	ST	X1	B1	S1
0	1.0000	0.9265	0.9868	0.3083
5	1.3227	0.9100	0.9604	0.2831
10	1.7993	0.8958	0.9351	0.2665
15	3.0101	0.8833	0.9105	0.2547
20	0.4398	0.8720	0.8862	0.2458
25	0.5968	0.8618	0.8621	0.2386
30	0.7646	0.8524	0.8379	0.2326
35	0.9413	0.8437	0.8136	0.2272
40	1.1248	0.8357	0.7891	0.2222
45	1.3131	0.8282	0.7644	0.2174
50	1.5041	0.8212	0.7395	0.2126
55	1.6956	0.8147	0.7142	0.2077
60	1.8853	0.8086	0.6887	0.2027
65	2.0709	0.8029	0.6629	0.1975
70	2.2499	0.7976	0.6367	0.1920
75	2.4200	0.7926	0.6102	0.1862
80	2.5786	0.7879	0.5835	0.1801
85	2.7233	0.7835	0.5564	0.1737
90	2.8516	0.7794	0.5290	0.1669
95	2.9611	0.7755	0.5013	0.1598
100	3.0493	0.7720	0.4734	0.1524
105	3.1139	0.7686	0.4451	0.1446
110	3.1527	0.7656	0.4166	0.1366
115	3.1634	0.7628	0.3879	0.1282
120	3.1439	0.7602	0.3590	0.1195
125	3.0924	0.7578	0.3298	0.1106
130	3.0069	0.7556	0.3005	0.1014
135	2.8859	0.7537	0.2709	0.0919
140	2.7277	0.7520	0.2412	0.0823
145	2.5310	0.7505	0.2114	0.0724
150	2.2946	0.7492	0.1814	0.0624
155	2.0175	0.7481	0.1514	0.0522
160	1.6989	0.7472	0.1212	0.0419
165	1.3381	0.7465	0.0910	0.0316
170	0.9348	0.7460	0.0607	0.0211
175	0.4888	0.7457	0.0303	0.0106
180	0.	0.7456	0.	0.

GAMMA=0.8000 ALPHA=11.000 K= 8.00

DC= 2.0865 XR= 1.08656 BR= 1.14510
TR=13.4504 CR= 0.23475 QR= 5.73670

THETA	ST	X1	B1	S1
0	1.0000	0.9282	0.9744	0.3535
5	1.4443	0.9078	0.9446	0.3078
10	2.3899	0.8909	0.9171	0.2804
15	0.3516	0.8763	0.8910	0.2619
20	0.5136	0.8635	0.8656	0.2485
25	0.6880	0.8521	0.8408	0.2387
30	0.8725	0.8417	0.8161	0.2298
35	1.0652	0.8321	0.7916	0.2226
40	1.2641	0.8234	0.7670	0.2163
45	1.4672	0.8153	0.7424	0.2104
50	1.6722	0.8078	0.7175	0.2047
55	1.8770	0.8008	0.6926	0.1992
60	2.0791	0.7942	0.6674	0.1936
65	2.2761	0.7881	0.6419	0.1880
70	2.4656	0.7824	0.6162	0.1822
75	2.6450	0.7771	0.5903	0.1762
80	2.8116	0.7722	0.5641	0.1701
85	2.9630	0.7675	0.5377	0.1636
90	3.0965	0.7632	0.5110	0.1570
95	3.2097	0.7592	0.4841	0.1500
100	3.3000	0.7554	0.4569	0.1428
105	3.3650	0.7519	0.4295	0.1354
110	3.4023	0.7487	0.4019	0.1276
115	3.4097	0.7458	0.3741	0.1197
120	3.3851	0.7430	0.3461	0.1114
125	3.3263	0.7406	0.3179	0.1030
130	3.2315	0.7383	0.2896	0.0944
135	3.0990	0.7363	0.2611	0.0855
140	2.9271	0.7345	0.2324	0.0765
145	2.7144	0.7329	0.2036	0.0673
150	2.4596	0.7316	0.1748	0.0579
155	2.1616	0.7304	0.1458	0.0485
160	1.8196	0.7295	0.1167	0.0389
165	1.4328	0.7288	0.0876	0.0293
170	1.0008	0.7283	0.0584	0.0195
175	0.5232	0.7280	0.0292	0.0098
180	0.	0.7279	0.	0.

GAMMA=0.8000 ALPHA=11.000 K= 10.00

DC= 3.0776 XR= 1.08531 BR= 1.13246
TR=10.7464 CR= 0.18756 QR= 4.45210

THETA	ST	X1	B1	S1
0	1.0000	0.9293	0.9668	0.4013
5	1.5903	0.9051	0.9335	0.3318
10	0.2396	0.8859	0.9039	0.2933
15	0.4032	0.8697	0.8765	0.2687
20	0.5808	0.8557	0.8502	0.2514
25	0.7697	0.8432	0.8248	0.2384
30	0.9681	0.8321	0.7997	0.2281
35	1.1739	0.8219	0.7749	0.2195
40	1.3854	0.8126	0.7502	0.2120
45	1.6003	0.8041	0.7256	0.2052
50	1.8166	0.7961	0.7009	0.1989
55	2.0318	0.7888	0.6760	0.1928
60	2.2437	0.7820	0.6511	0.1865
65	2.4496	0.7756	0.6259	0.1809
70	2.6471	0.7697	0.6006	0.1750
75	2.8334	0.7641	0.5751	0.1689
80	3.0060	0.7590	0.5494	0.1626
85	3.1622	0.7542	0.5234	0.1562
90	3.2994	0.7497	0.4973	0.1496
95	3.4150	0.7455	0.4709	0.1428
100	3.5033	0.7416	0.4444	0.1357
105	3.5710	0.7381	0.4176	0.1285
110	3.6066	0.7347	0.3907	0.1210
115	3.6108	0.7317	0.3636	0.1133
120	3.5814	0.7289	0.3363	0.1055
125	3.5164	0.7263	0.3088	0.0974
130	3.4136	0.7240	0.2812	0.0892
135	3.2715	0.7220	0.2535	0.0807
140	3.0882	0.7201	0.2256	0.0722
145	2.8623	0.7185	0.1977	0.0635
150	2.5924	0.7171	0.1696	0.0546
155	2.2775	0.7159	0.1415	0.0457
160	1.9166	0.7150	0.1133	0.0367
165	1.5088	0.7142	0.0850	0.0276
170	1.0537	0.7137	0.0567	0.0184
175	0.5508	0.7134	0.0284	0.0092
180	0.	0.7133	0.	0.

GAMMA=0.8000 ALPHA=11.000 K= 20.00

DC= 3.3971 XR= 1.08280 BR= 1.10671
TR= 4.3626 CR= 0.07614 QR= 2.10225

THETA	ST	X1	B1	S1
0	1.0000	0.9314	0.9507	0.6488
5	0.1749	0.8913	0.9020	0.4283
10	0.3919	0.8637	0.8646	0.3393
15	0.6173	0.8422	0.8324	0.2909
20	0.8497	0.8244	0.8031	0.2600
25	1.0889	0.8092	0.7756	0.2385
30	1.3341	0.7958	0.7493	0.2222
35	1.5840	0.7839	0.7237	0.2094
40	1.8367	0.7731	0.6987	0.1987
45	2.0903	0.7633	0.6740	0.1895
50	2.3425	0.7543	0.6496	0.1814
55	2.5909	0.7461	0.6253	0.1739
60	2.8327	0.7385	0.6011	0.1668
65	3.0654	0.7314	0.5768	0.1601
70	3.2862	0.7249	0.5526	0.1536
75	3.4923	0.7188	0.5283	0.1472
80	3.6808	0.7132	0.5040	0.1408
85	3.8490	0.7079	0.4796	0.1344
90	3.9941	0.7031	0.4550	0.1280
95	4.1134	0.6986	0.4304	0.1216
100	4.2041	0.6944	0.4057	0.1151
105	4.2637	0.6905	0.3809	0.1085
110	4.2896	0.6870	0.3560	0.1018
115	4.2796	0.6837	0.3311	0.0950
120	4.2311	0.6807	0.3060	0.0881
125	4.1422	0.6780	0.2808	0.0811
130	4.0106	0.6755	0.2555	0.0741
135	3.8346	0.6733	0.2302	0.0669
140	3.6122	0.6713	0.2048	0.0597
145	3.3419	0.6696	0.1794	0.0524
150	3.0221	0.6681	0.1538	0.0450
155	2.6515	0.6669	0.1283	0.0376
160	2.2289	0.6658	0.1027	0.0301
165	1.7532	0.6650	0.0770	0.0226
170	1.2236	0.6645	0.0514	0.0151
175	0.6394	0.6641	0.0257	0.0076
180	0.	0.6640	0.	0.

GAMMA = 0.0000

ALPHA = 12.000

K = 0.200

DC = 1.7013

M2 = 1.6444

S0 = 2.129650

W2 = -0.3701E 01

TIME	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
0	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
45	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
55	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
65	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
75	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
80	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
90	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
95	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
140	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
145	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
150	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
155	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
160	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
165	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
170	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
175	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
180	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

GAMMA = 0.0000

ALPHA = 12.000

K = 0.400

DC = 1.9785

M2 = 1.4261

S0 = 1.851699

W2 = -0.4376E 01

TIME	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
0	1.0000	0.0000	1.3341	0.3785	0.8983	1.3341	0.3903	2.6612	2.7065	16.5280
5	1.0000	0.0000	1.3090	0.3838	0.9005	1.3585	0.3903	2.6612	2.7065	16.5280
10	1.0000	0.0000	1.2829	0.3889	0.9028	1.3829	0.3903	2.6612	2.7065	16.5280
15	1.0000	0.0000	1.2561	0.3923	0.9048	1.4049	0.3903	2.6612	2.7065	16.5280
20	1.0000	0.0000	1.2284	0.3953	0.9070	1.4265	0.3903	2.6612	2.7065	16.5280
25	1.0000	0.0000	1.1999	0.3975	0.9092	1.4476	0.3903	2.6612	2.7065	16.5280
30	1.0000	0.0000	1.1706	0.3984	0.9114	1.4678	0.3903	2.6612	2.7065	16.5280
35	1.0000	0.0000	1.1405	0.3991	0.9136	1.4873	0.3903	2.6612	2.7065	16.5280
40	1.0000	0.0000	1.1096	0.3994	0.9158	1.5069	0.3903	2.6612	2.7065	16.5280
45	1.0000	0.0000	1.0778	0.3997	0.9180	1.5239	0.3903	2.6612	2.7065	16.5280
50	1.0000	0.0000	1.0453	0.3994	0.9202	1.5410	0.3903	2.6612	2.7065	16.5280
55	1.0000	0.0000	1.0120	0.3993	0.9224	1.5578	0.3903	2.6612	2.7065	16.5280
60	1.0000	0.0000	0.9780	0.3985	0.9245	1.5722	0.3903	2.6612	2.7065	16.5280
65	1.0000	0.0000	0.9432	0.3979	0.9267	1.5882	0.3903	2.6612	2.7065	16.5280
70	1.0000	0.0000	0.9076	0.3972	0.9288	1.6025	0.3903	2.6612	2.7065	16.5280
75	1.0000	0.0000	0.8716	0.3967	0.9310	1.6162	0.3903	2.6612	2.7065	16.5280
80	1.0000	0.0000	0.8347	0.3956	0.9331	1.6292	0.3903	2.6612	2.7065	16.5280
85	1.0000	0.0000	0.7973	0.3944	0.9351	1.6416	0.3903	2.6612	2.7065	16.5280
90	1.0000	0.0000	0.7591	0.3942	0.9372	1.6534	0.3903	2.6612	2.7065	16.5280
95	1.0000	0.0000	0.7204	0.3932	0.9392	1.6646	0.3903	2.6612	2.7065	16.5280
100	1.0000	0.0000	0.6811	0.3908	0.9411	1.6752	0.3903	2.6612	2.7065	16.5280
105	1.0000	0.0000	0.6413	0.2947	0.9431	1.6853	0.2270	1.5342	1.8650	0.0436
110	1.0000	0.0000	0.6009	0.2796	0.9450	1.6949	0.2203	1.5261	1.8632	0.0374
115	1.0000	0.0000	0.5601	0.2636	0.9468	1.7040	0.2139	1.5167	1.8616	0.0321
120	1.0000	0.0000	0.5186	0.2468	0.9487	1.7126	0.2080	1.5119	1.8602	0.0277
125	1.0000	0.0000	0.4771	0.2292	0.9504	1.7207	0.2025	1.5037	1.8590	0.0240
130	1.0000	0.0000	0.4350	0.2106	0.9522	1.7284	0.1975	1.4999	1.8580	0.0209
135	1.0000	0.0000	0.3925	0.1918	0.9539	1.7357	0.1929	1.4946	1.8572	0.0183
140	1.0000	0.0000	0.3497	0.1721	0.9555	1.7426	0.1887	1.4897	1.8564	0.0161
145	1.0000	0.0000	0.3067	0.1510	0.9571	1.7491	0.1850	1.4852	1.8558	0.0143
150	1.0000	0.0000	0.2633	0.1311	0.9586	1.7553	0.1818	1.4810	1.8552	0.0128
155	1.0000	0.0000	0.2198	0.1099	0.9601	1.7610	0.1791	1.4771	1.8546	0.0116
160	1.0000	0.0000	0.1760	0.0894	0.9616	1.7665	0.1769	1.4732	1.8543	0.0107
165	1.0000	0.0000	0.1322	0.0665	0.9630	1.7717	0.1751	1.4702	1.8540	0.0100
170	1.0000	0.0000	0.0882	0.0445	0.9643	1.7765	0.1739	1.4671	1.8537	0.0095
175	1.0000	0.0000	0.0441	0.0223	0.9656	1.7812	0.1731	1.4642	1.8534	0.0092
180	1.0000	0.0000	0.0000	0.0000	0.9669	1.7854	0.1729	1.4616	1.8532	0.0091

GAMMA = 0.8000

ALPHA = 12.000

K = 0.600

DC = 2.0955

X0 = 1.2794

B0 = 1.701713

V2 = -0.3319E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9038	1.2526	0.3271	0.9038	1.2526	0.3412			
5	1.0539	0.9010	1.2294	0.3325	0.9067	1.2750	0.3352	2.4405	2.4817	13.6536
10	1.1129	0.8982	1.2054	0.3373	0.9098	1.2963	0.3287	2.1171	2.1860	4.6810
15	1.1881	0.8955	1.1806	0.3414	0.9126	1.3173	0.3217	1.9544	2.0469	2.4441
20	1.2789	0.8928	1.1549	0.3447	0.9156	1.3373	0.3143	1.8497	1.9633	1.5133
25	1.3835	0.8902	1.1283	0.3473	0.9186	1.3564	0.3069	1.7744	1.9071	1.0278
30	1.5003	0.8877	1.1012	0.3490	0.9217	1.3748	0.2985	1.7166	1.8667	0.7397
35	1.6273	0.8852	1.0732	0.3498	0.9248	1.3924	0.2902	1.6703	1.8366	0.5540
40	1.7625	0.8828	1.0443	0.3498	0.9279	1.4093	0.2818	1.6322	1.8133	0.4269
45	1.9040	0.8805	1.0147	0.3488	0.9311	1.4254	0.2732	1.6000	1.7950	0.3363
50	2.0499	0.8782	0.9843	0.3469	0.9342	1.4408	0.2645	1.5724	1.7803	0.2695
55	2.1981	0.8760	0.9532	0.3440	0.9374	1.4554	0.2558	1.5484	1.7683	0.2189
60	2.3468	0.8739	0.9214	0.3401	0.9406	1.4694	0.2471	1.5273	1.7585	0.1799
65	2.4940	0.8719	0.8888	0.3353	0.9438	1.4827	0.2385	1.5085	1.7504	0.1492
70	2.6378	0.8699	0.8553	0.3295	0.9470	1.4953	0.2300	1.4918	1.7436	0.1248
75	2.7764	0.8680	0.8216	0.3227	0.9502	1.5073	0.2217	1.4767	1.7379	0.1051
80	2.9079	0.8662	0.7870	0.3149	0.9533	1.5186	0.2135	1.4631	1.7330	0.0890
85	3.0307	0.8645	0.7517	0.3062	0.9565	1.5294	0.2056	1.4508	1.7289	0.0758
90	3.1431	0.8629	0.7159	0.2964	0.9597	1.5396	0.1979	1.4395	1.7254	0.0650
95	3.2435	0.8613	0.6795	0.2858	0.9628	1.5493	0.1905	1.4291	1.7224	0.0559
100	3.3304	0.8599	0.6423	0.2742	0.9659	1.5584	0.1834	1.4196	1.7198	0.0483
105	3.4024	0.8585	0.6050	0.2618	0.9690	1.5670	0.1767	1.4109	1.7176	0.0419
110	3.4583	0.8572	0.5670	0.2485	0.9721	1.5761	0.1703	1.4028	1.7156	0.0366
115	3.4968	0.8560	0.5285	0.2344	0.9751	1.5827	0.1644	1.3953	1.7140	0.0320
120	3.5170	0.8549	0.4896	0.2195	0.9781	1.5899	0.1588	1.3884	1.7125	0.0282
125	3.5179	0.8538	0.4503	0.2039	0.9811	1.5967	0.1536	1.3819	1.7112	0.0249
130	3.4989	0.8529	0.4108	0.1877	0.9840	1.6031	0.1488	1.3759	1.7101	0.0222
135	3.4594	0.8520	0.3705	0.1707	0.9869	1.6091	0.1445	1.3703	1.7091	0.0199
140	3.3989	0.8513	0.3301	0.1533	0.9897	1.6147	0.1406	1.3651	1.7083	0.0179
145	3.3173	0.8506	0.2895	0.1353	0.9925	1.6200	0.1371	1.3602	1.7075	0.0163
150	3.2146	0.8500	0.2486	0.1168	0.9953	1.6250	0.1341	1.3556	1.7069	0.0149
155	3.0910	0.8495	0.2075	0.0980	0.9980	1.6296	0.1316	1.3513	1.7063	0.0138
160	2.9485	0.8491	0.1662	0.0788	1.0008	1.6340	0.1294	1.3473	1.7058	0.0130
165	2.7824	0.8488	0.1248	0.0593	1.0032	1.6381	0.1278	1.3435	1.7053	0.0123
170	2.5995	0.8485	0.0832	0.0397	1.0058	1.6420	0.1267	1.3400	1.7049	0.0119
175	2.3987	0.8484	0.0416	0.0199	1.0083	1.6456	0.1260	1.3367	1.7046	0.0116
180	2.1814	0.8484	0.	0.	1.0107	1.6490	0.1257	1.3335	1.7043	0.0115

GAMMA = 0.8000

ALPHA = 12.000

K = 0.800

DC = 2.1788

X0 = 1.1481

B0 = 1.587249

TR = 138.19

CR = 3.8714

QR = 0.6316E 04

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9079	1.2012	0.2974	0.9079	1.2012	0.2974			
5	1.0652	0.9044	1.1792	0.3028	0.9115	1.2224	0.2914	2.2972	2.3356	11.9414
10	1.1294	0.9010	1.1564	0.3076	0.9151	1.2428	0.2849	1.9960	2.0606	4.1066
15	1.2096	0.8977	1.1328	0.3117	0.9188	1.2624	0.2779	1.8444	1.9312	2.1499
20	1.3058	0.8945	1.1084	0.3151	0.9226	1.2813	0.2706	1.7465	1.8531	1.3352
25	1.4163	0.8914	1.0832	0.3178	0.9265	1.2993	0.2628	1.6759	1.8004	0.9102
30	1.5390	0.8883	1.0572	0.3197	0.9304	1.3166	0.2547	1.6215	1.7625	0.6580
35	1.6720	0.8853	1.0304	0.3207	0.9344	1.3331	0.2464	1.5777	1.7340	0.4953
40	1.8129	0.8825	1.0029	0.3210	0.9385	1.3488	0.2379	1.5414	1.7119	0.3840
45	1.9596	0.8797	0.9746	0.3203	0.9426	1.3639	0.2292	1.5107	1.6943	0.3046
50	2.1098	0.8770	0.9455	0.3188	0.9468	1.3782	0.2204	1.4841	1.6802	0.2460
55	2.2615	0.8744	0.9157	0.3164	0.9510	1.3918	0.2115	1.4609	1.6686	0.2016
60	2.4122	0.8719	0.8852	0.3130	0.9553	1.4047	0.2026	1.4403	1.6589	0.1673
65	2.5600	0.8695	0.8540	0.3088	0.9596	1.4170	0.1937	1.4219	1.6508	0.1402
70	2.7027	0.8672	0.8221	0.3036	0.9640	1.4286	0.1849	1.4053	1.6440	0.1187
75	2.8380	0.8651	0.7896	0.2974	0.9684	1.4398	0.1762	1.3902	1.6382	0.1012
80	2.9641	0.8630	0.7564	0.2904	0.9729	1.4499	0.1677	1.3764	1.6332	0.0870
85	3.0789	0.8610	0.7226	0.2824	0.9774	1.4597	0.1593	1.3638	1.6288	0.0753
90	3.1804	0.8591	0.6882	0.2735	0.9820	1.4690	0.1510	1.3521	1.6251	0.0655
95	3.2669	0.8573	0.6532	0.2638	0.9866	1.4777	0.1430	1.3412	1.6218	0.0574
100	3.3365	0.8556	0.6177	0.2532	0.9912	1.4859	0.1353	1.3311	1.6189	0.0505
105	3.3875	0.8540	0.5817	0.2418	0.9959	1.4936	0.1278	1.3217	1.6163	0.0447
110	3.4184	0.8525	0.5452	0.2296	1.0006	1.5008	0.1205	1.3128	1.6140	0.0398
115	3.4277	0.8511	0.5082	0.2166	1.0053	1.5076	0.1136	1.3044	1.6120	0.0355
120	3.4146	0.8498	0.4708	0.2029	1.0100	1.5140	0.1069	1.2964	1.6102	0.0319
125	3.3762	0.8486	0.4330	0.1885	1.0148	1.5199	0.1005	1.2889	1.6085	0.0286
130	3.3130	0.8475	0.3948	0.1735	1.0197	1.5255	0.0944	1.2817	1.6070	0.0261
135	3.2237	0.8466	0.3563	0.1579	1.0245	1.5308	0.0887	1.2748	1.6057	0.0235
140	3.1073	0.8457	0.3175	0.1417	1.0295	1.5356	0.0832	1.2682	1.6044	0.0215
145	3.0833	0.8449	0.2784	0.1251	1.0344	1.5402	0.0782	1.2619	1.6033	0.0193
150	3.0246	0.8442	0.2391	0.1080	1.0394	1.5445	0.0734	1.2557	1.6022	0.0172
155	3.0209	0.8437	0.1995	0.0906	1.0445	1.5485	0.0692	1.2497	1.6013	0.0153
160	3.2245	0.8432	0.1598	0.0729	1.0496	1.5522	0.0657	1.2439	1.6003	0.0131
165	3.0220	0.8428	0.1200	0.0549	1.0548	1.5557	0.0632	1.2382	1.5995	0.0115
170	2.8091	0.8426	0.0801	0.0367	1.0601	1.5590	0.0615	1.2326	1.5986	0.0105
175	2.5848	0.8424	0.0470	0.0184	1.0655	1.5621	0.0606	1.2270	1.5978	0.0100
180	2.3499	0.8424	0.	0.	1.0711	1.5650	0.0602	1.2214	1.5971	0.0100

GAMMA = 0.8000

ALPHA = 12.000

K = 11.000

DC = 2.2435

NR = 1.1280

BR = 1.503552

TR = 141.93

CR = 2.4171

QR = 0.6758E 03

THEYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9111	1.1652	0.2783	0.9111	1.1682	0.2783			
5	1.0764	0.9071	1.1439	0.2836	0.9153	1.1856	0.2725	2.1928	2.12293	10.7738
10	1.1476	0.9031	1.1219	0.2882	0.9197	1.2053	0.2663	1.9080	1.9693	3.7161
15	1.2358	0.8992	1.0991	0.2923	0.9241	1.2242	0.2596	1.7637	1.8463	1.9516
20	1.3413	0.8955	1.0755	0.2956	0.9287	1.2423	0.2525	1.6708	1.7723	1.2167
25	1.4623	0.8919	1.0511	0.2983	0.9333	1.2598	0.2450	1.6033	1.7220	0.8933
30	1.5965	0.8883	1.0260	0.3002	0.9381	1.2762	0.2373	1.5510	1.6856	0.6059
35	1.7418	0.8850	1.0000	0.3014	0.9431	1.2921	0.2294	1.5088	1.6581	0.4592
40	1.8958	0.8817	0.9734	0.3017	0.9481	1.3072	0.2213	1.4736	1.6365	0.3589
45	2.0563	0.8785	0.9459	0.3012	0.9533	1.3217	0.2130	1.4435	1.6193	0.2874
50	2.2210	0.8755	0.9178	0.2999	0.9585	1.3354	0.2047	1.4173	1.6053	0.2346
55	2.3876	0.8726	0.8889	0.2977	0.9640	1.3484	0.1964	1.3942	1.5935	0.1947
60	2.5560	0.8697	0.8593	0.2946	0.9695	1.3608	0.1881	1.3735	1.5838	0.1639
65	2.7181	0.8671	0.8291	0.2907	0.9752	1.3726	0.1799	1.3548	1.5754	0.1398
70	2.8779	0.8645	0.7982	0.2858	0.9811	1.3837	0.1718	1.3377	1.5682	0.1206
75	3.0315	0.8620	0.7666	0.2801	0.9871	1.3942	0.1639	1.3219	1.5619	0.1052
80	3.1771	0.8597	0.7344	0.2735	0.9933	1.4042	0.1562	1.3072	1.5564	0.0928
85	3.3133	0.8574	0.7016	0.2661	0.9996	1.4137	0.1488	1.2935	1.5515	0.0827
90	3.4388	0.8553	0.6682	0.2578	1.0062	1.4226	0.1417	1.2805	1.5471	0.0745
95	3.5526	0.8533	0.6343	0.2486	1.0130	1.4311	0.1349	1.2682	1.5430	0.0679
100	3.6545	0.8515	0.5998	0.2387	1.0200	1.4391	0.1287	1.2563	1.5394	0.0627
105	3.7448	0.8497	0.5648	0.2279	1.0274	1.4467	0.1229	1.2447	1.5359	0.0588
110	3.8256	0.8480	0.5294	0.2164	1.0352	1.4539	0.1178	1.2334	1.5327	0.0560
115	3.9008	0.8465	0.4935	0.2042	1.0434	1.4608	0.1136	1.2221	1.5295	0.0544
120	3.9795	0.8451	0.4572	0.1913	1.0523	1.4675	0.1106	1.2106	1.5264	0.0543
125	4.0809	0.8438	0.4205	0.1777	1.0620	1.4740	0.1096	1.1987	1.5233	0.0563
130	4.2534	0.8426	0.3834	0.1636	1.0731	1.4806	0.1121	1.1858	1.5199	0.0620
135	4.6584	0.8415	0.3460	0.1489	1.0865	1.4874	0.1238	1.1710	1.5160	0.0769
140	6.5788	0.8405	0.3083	0.1336	1.1063	1.4959	0.1885	1.1499	1.5102	0.1453
145	1.7903	0.8397	0.2704	0.1180						
150	1.15904	0.8389	0.2322	0.1019						
155	1.4011	0.8383	0.1938	0.0854						
160	1.1817	0.8378	0.1552	0.0687						
165	0.9319	0.8374	0.1165	0.0517						
170	0.6516	0.8371	0.0778	0.0346						
175	0.3409	0.8369	0.0389	0.0179						
180	0.	0.8369	0.	0.						

GAMMA = 0.8000

ALPHA = 12.000

K = 11.200

DC = 2.2964

NR = 1.1172

BR = 1.1443183

TR = 108.48

CR = 1.8928

QR = 0.2558E 03

THEYA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9137	1.1382	0.2655	0.9137	1.1382	0.2655			
5	1.0868	0.9091	1.1175	0.2705	0.9186	1.1582	0.2600	2.1118	2.1469	9.9122
10	1.1652	0.9046	1.0959	0.2749	0.9235	1.1775	0.2541	1.8293	1.8982	3.4294
15	1.2622	0.9002	1.0737	0.2788	0.9287	1.1958	0.2478	1.7009	1.7802	1.8075
20	1.3780	0.8960	1.0506	0.2820	0.9340	1.2135	0.2411	1.6114	1.7090	1.1320
25	1.5108	0.8919	1.0268	0.2845	0.9395	1.2305	0.2342	1.5461	1.6803	0.7797
30	1.6584	0.8880	1.0023	0.2864	0.9452	1.2468	0.2271	1.4952	1.6249	0.5708
35	1.8186	0.8843	0.9770	0.2875	0.9511	1.2623	0.2198	1.4539	1.5979	0.4362
40	1.9891	0.8806	0.9509	0.2878	0.9572	1.2772	0.2124	1.4191	1.5766	0.3444
45	2.1679	0.8771	0.9241	0.2874	0.9635	1.2913	0.2050	1.3892	1.5593	0.2791
50	2.3531	0.8738	0.8966	0.2861	0.9701	1.3049	0.1976	1.3628	1.5450	0.2312
55	2.5431	0.8706	0.8684	0.2841	0.9769	1.3178	0.1906	1.3393	1.5330	0.1953
60	2.7365	0.8675	0.8395	0.2812	0.9840	1.3301	0.1835	1.3179	1.5227	0.1679
65	2.9325	0.8645	0.8100	0.2774	0.9915	1.3419	0.1768	1.2982	1.5136	0.1470
70	3.1310	0.8617	0.7798	0.2728	0.9994	1.3531	0.1706	1.2798	1.5056	0.1309
75	3.3333	0.8590	0.7489	0.2674	1.0077	1.3639	0.1652	1.2625	1.4984	0.1188
80	3.5427	0.8565	0.7175	0.2611	1.0165	1.3743	0.1608	1.2457	1.4917	0.1102
85	3.7669	0.8540	0.6854	0.2540	1.0261	1.3843	0.1576	1.2294	1.4854	0.1049
90	4.0230	0.8517	0.6528	0.2460	1.0367	1.3942	0.1568	1.2129	1.4793	0.1034
95	4.3114	0.8496	0.6197	0.2373	1.0486	1.4041	0.1603	1.1959	1.4731	0.1072
100	4.6744	0.8475	0.5860	0.2278	1.0629	1.4143	0.1739	1.1773	1.4664	0.1219
105	6.2343	0.8456	0.5518	0.2176	1.0824	1.4262	0.2273	1.1540	1.4579	0.1776
110	2.2184	0.8438	0.5172	0.2066						
115	2.2375	0.8422	0.4821	0.1949						
120	2.2342	0.8406	0.4466	0.1826						
125	2.2070	0.8392	0.4108	0.1697						
130	2.1543	0.8379	0.3746	0.1561						
135	2.0747	0.8368	0.3380	0.1421						
140	1.9669	0.8357	0.3012	0.1276						
145	1.8300	0.8348	0.2641	0.1126						
150	1.6629	0.8340	0.2268	0.0972						
155	1.4649	0.8334	0.1893	0.0816						
160	1.2355	0.8328	0.1517	0.0656						
165	0.9743	0.8324	0.1139	0.0494						
170	0.6813	0.8321	0.0760	0.0330						
175	0.3564	0.8319	0.0380	0.0165						
180	0.	0.8318	0.	0.						

GAMMA = 0.8000

ALPHA = 12.000

K = 1.400

DC = 2.3413

XR = 1.1102

BR = 1.397154

TR = 0.0444

CR = 1.5493

QR = 0.1424E 03

THETA	ST	X1	R1	S1	X2	R2	S2	X3	R3	S3
0	1.0000	0.9159	1.1171	0.2567	0.9159	1.1171	0.2567			
5	1.0967	0.9107	1.0967	0.2613	0.9213	1.1368	0.2616	2.0459	2.10798	9.2433
10	1.1827	0.9057	1.0756	0.2654	0.9262	1.1538	0.2662	1.7893	1.8402	3.2081
15	1.2692	0.9008	1.0537	0.2690	0.9328	1.1740	0.2694	1.6495	1.7253	1.6976
20	1.4165	0.8962	1.0310	0.2720	0.9389	1.1915	0.2344	1.5627	1.6572	1.0687
25	1.5629	0.8917	1.0076	0.2744	0.9452	1.2084	0.2283	1.4989	1.6097	0.7402
30	1.7263	0.8875	0.9835	0.2761	0.9519	1.2245	0.2220	1.4490	1.5748	0.5468
35	1.9049	0.8833	0.9586	0.2771	0.9588	1.2400	0.2157	1.4080	1.5480	0.4222
40	2.0971	0.8794	0.9330	0.2774	0.9661	1.2549	0.2096	1.3733	1.5265	0.3375
45	2.3020	0.8756	0.9067	0.2769	0.9738	1.2692	0.2037	1.3430	1.5089	0.2779
50	2.5193	0.8720	0.8797	0.2757	0.9819	1.2829	0.1982	1.3160	1.4941	0.2348
55	2.7500	0.8685	0.8520	0.2736	0.9905	1.2962	0.1934	1.2914	1.4813	0.2035
60	2.9974	0.8652	0.8237	0.2708	0.9998	1.3090	0.1897	1.2686	1.4700	0.1810
65	3.2688	0.8620	0.7947	0.2672	1.0098	1.3215	0.1876	1.2469	1.4597	0.1657
70	3.5610	0.8590	0.7650	0.2627	1.0210	1.3338	0.1882	1.2258	1.4500	0.1573
75	3.8736	0.8561	0.7347	0.2574	1.0336	1.3462	0.1940	1.2046	1.4406	0.1571
80	4.1639	0.8533	0.7039	0.2514	1.0469	1.3592	0.2118	1.1820	1.4307	0.1712
85	5.9340	0.8507	0.6724	0.2445	1.0697	1.3743	0.2756	1.1548	1.4188	0.2330
90	2.0332	0.8483	0.6404	0.2368						
95	2.1266	0.8460	0.6079	0.2284						
100	2.2046	0.8438	0.5748	0.2193						
105	2.2651	0.8418	0.5413	0.2094						
110	2.3081	0.8399	0.5073	0.1988						
115	2.3258	0.8381	0.4729	0.1876						
120	2.3223	0.8365	0.4381	0.1757						
125	2.2939	0.8350	0.4029	0.1633						
130	2.2390	0.8336	0.3674	0.1502						
135	2.1562	0.8324	0.3316	0.1367						
140	2.0442	0.8313	0.2955	0.1227						
145	1.9018	0.8303	0.2591	0.1083						
150	1.7281	0.8295	0.2225	0.0936						
155	1.5223	0.8288	0.1857	0.0785						
160	1.2839	0.8282	0.1488	0.0631						
165	1.0225	0.8277	0.1117	0.0475						
170	0.7079	0.8274	0.0745	0.0318						
175	0.3703	0.8272	0.0373	0.0159						
180	0.	0.8272	0.	0.						

GAMMA = 0.8000

ALPHA = 12.000

K = 1.600

DC = 2.13802

XR = 1.11052

BR = 1.362299

TR = 75.91

CR = 1.9179

QR = 0.9481E 02

THETA	ST	X1	R1	S1	X2	R2	S2	X3	R3	S3
0	1.10000	0.9177	1.1002	0.2506	0.9177	1.1002	0.2506			
5	1.1042	0.9120	1.0800	0.2548	0.9237	1.1197	0.2481	1.9910	2.10238	8.7044
10	1.2002	0.9065	1.0590	0.2585	0.9299	1.1386	0.2413	1.7842	1.87916	3.0914
15	1.3131	0.9012	1.0374	0.2618	0.9365	1.1568	0.2363	1.6064	1.6910	1.6112
20	1.4472	0.8962	1.0150	0.2645	0.9434	1.1742	0.2311	1.5215	1.6234	1.0201
25	1.6192	0.8914	0.9919	0.2667	0.9506	1.1911	0.2260	1.4588	1.5667	0.7125
30	1.8017	0.8867	0.9681	0.2682	0.9583	1.2074	0.2210	1.4099	1.5321	0.5309
35	2.0038	0.8823	0.9435	0.2690	0.9664	1.2231	0.2164	1.3684	1.5051	0.4149
40	2.2260	0.8780	0.9183	0.2692	0.9750	1.2383	0.2125	1.3333	1.4833	0.3371
45	2.4704	0.8740	0.8924	0.2687	0.9843	1.2530	0.2092	1.3022	1.4650	0.2835
50	2.7426	0.8701	0.8658	0.2674	0.9944	1.2674	0.2076	1.2739	1.4492	0.2467
55	3.0550	0.8666	0.8385	0.2653	1.0056	1.2811	0.2086	1.2474	1.4351	0.2229
60	3.4366	0.8628	0.8105	0.2625	1.0182	1.2950	0.2144	1.2218	1.4219	0.2111
65	3.8652	0.8595	0.7820	0.2589	1.0331	1.3108	0.2303	1.1957	1.4089	0.2147
70	4.9425	0.8563	0.7528	0.2546	1.0525	1.3272	0.2773	1.1689	1.3946	0.2533
75	1.7413	0.8532	0.7229	0.2494						
80	1.8728	0.8503	0.6925	0.2435						
85	1.9948	0.8478	0.6616	0.2368						
90	2.1061	0.8450	0.6301	0.2294						
95	2.2016	0.8425	0.5981	0.2212						
100	2.2820	0.8403	0.5655	0.2123						
105	2.3444	0.8381	0.5325	0.2027						
110	2.3867	0.8361	0.4991	0.1925						
115	2.4069	0.8343	0.4652	0.1816						
120	2.4030	0.8325	0.4310	0.1701						
125	2.3735	0.8310	0.3964	0.1580						
130	2.3166	0.8295	0.3614	0.1454						
135	2.2308	0.8283	0.3262	0.1323						
140	2.1148	0.8271	0.2906	0.1188						
145	1.9674	0.8261	0.2548	0.1048						
150	1.7876	0.8252	0.2188	0.0905						
155	1.5747	0.8245	0.1827	0.0759						
160	1.3280	0.8239	0.1463	0.0611						
165	1.0473	0.8234	0.1098	0.0460						
170	0.7323	0.8231	0.0733	0.0307						
175	0.3831	0.8229	0.0367	0.0154						
180	0.	0.8228	0.	0.						

GAMMA = 0.8000

ALPHA = 12.000

K = 11800

DC = 2.4147 XR = 1.1015 BR = 1.333896 TR = 65.87 CR = 1.1496 QR = 0.6982E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9192	1.0863	0.2466	0.9192	1.0863	0.2466			
5	1.1155	0.9130	1.0661	0.2502	0.9258	1.1038	0.2427	1.9439	1.9759	8.2588
10	1.2180	0.9071	1.0453	0.2535	0.9327	1.1246	0.2386	1.6962	1.7501	2.8863
15	1.3460	0.9014	1.0238	0.2564	0.9399	1.1428	0.2345	1.5694	1.6421	1.5415
20	1.5006	0.8960	1.0016	0.2588	0.9476	1.1604	0.2305	1.4857	1.5755	0.9823
25	1.6807	0.8908	0.9787	0.2606	0.9558	1.1775	0.2268	1.4238	1.5293	0.6913
30	1.8864	0.8859	0.9551	0.2619	0.9646	1.1941	0.2237	1.3745	1.4946	0.5214
35	2.1196	0.8811	0.9308	0.2626	0.9740	1.2102	0.2216	1.3332	1.4673	0.4137
40	2.3852	0.8766	0.9059	0.2626	0.9843	1.2261	0.2211	1.2972	1.4448	0.3423
45	2.6947	0.8723	0.8803	0.2620	0.9957	1.2418	0.2233	1.2647	1.4254	0.2977
50	3.0748	0.8682	0.8540	0.2606	1.0086	1.2576	0.2306	1.2342	1.4080	0.2716
55	3.5965	0.8643	0.8270	0.2585	1.0239	1.2740	0.2487	1.2040	1.3913	0.2662
60	4.2249	0.8606	0.7994	0.2557	1.0437	1.2923	0.2987	1.1717	1.3738	0.2996
65	4.9665	0.8570	0.7712	0.2522						
70	5.8548	0.8536	0.7423	0.2478						
75	6.9178	0.8504	0.7129	0.2428						
80	8.1931	0.8474	0.6829	0.2370						
85	9.7087	0.8445	0.6523	0.2304						
90	11.4722	0.8418	0.6213	0.2232						
95	13.4714	0.8393	0.5897	0.2152						
100	15.7341	0.8369	0.5576	0.2065						
105	18.2181	0.8346	0.5250	0.1971						
110	20.9614	0.8325	0.4921	0.1871						
115	23.9820	0.8306	0.4587	0.1765						
120	27.2778	0.8288	0.4249	0.1653						
125	30.8471	0.8272	0.3908	0.1536						
130	34.6883	0.8257	0.3563	0.1417						
135	38.7996	0.8244	0.3215	0.1286						
140	43.1799	0.8232	0.2865	0.1154						
145	47.8279	0.8221	0.2512	0.1019						
150	52.7425	0.8212	0.2157	0.0880						
155	57.9230	0.8204	0.1801	0.0738						
160	63.3687	0.8198	0.1442	0.0593						
165	69.0793	0.8193	0.1083	0.0447						
170	75.0547	0.8190	0.0722	0.0299						
175	81.2948	0.8187	0.0361	0.0150						
180	0.	0.8187	0.	0.						

GAMMA = 0.8000

ALPHA = 12.000

K = 21000

DC = 2.4457 XR = 1.0986 BR = 1.310618 TR = 58.49 CR = 1.0209 QR = 0.5476E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9206	1.0746	0.2440	0.9206	1.0746	0.2440			
5	1.1246	0.9138	1.0545	0.2470	0.9277	1.0942	0.2408	1.9030	1.9342	7.8821
10	1.2361	0.9075	1.0337	0.2498	0.9352	1.1130	0.2377	1.6609	1.7136	2.7652
15	1.3763	0.9014	1.0123	0.2522	0.9432	1.1314	0.2347	1.5367	1.6079	1.4845
20	1.5469	0.8956	0.9902	0.2543	0.9517	1.1492	0.2322	1.4542	1.5421	0.9527
25	1.7482	0.8901	0.9674	0.2558	0.9609	1.1667	0.2305	1.3926	1.4961	0.6775
30	1.9831	0.8849	0.9440	0.2569	0.9709	1.1838	0.2300	1.3431	1.4612	0.5174
35	2.2587	0.8799	0.9200	0.2574	0.9819	1.2006	0.2319	1.3011	1.4332	0.4185
40	2.5915	0.8752	0.8952	0.2572	0.9943	1.2175	0.2376	1.2637	1.4096	0.3576
45	3.0220	0.8706	0.8698	0.2564	1.0086	1.2349	0.2511	1.2289	1.3884	0.3255
50	3.6722	0.8663	0.8438	0.2550	1.0262	1.2534	0.2834	1.1942	1.3680	0.3260
55	4.4790	0.8622	0.8171	0.2528	1.0510	1.2738	0.3318	1.1550	1.3452	0.4120
60	5.4393	0.8583	0.7898	0.2500						
65	6.5520	0.8546	0.7618	0.2464						
70	7.9043	0.8511	0.7333	0.2422						
75	9.4811	0.8477	0.7042	0.2372						
80	11.2900	0.8446	0.6745	0.2314						
85	13.3188	0.8416	0.6443	0.2250						
90	15.5652	0.8388	0.6136	0.2178						
95	18.0368	0.8361	0.5824	0.2100						
100	20.7216	0.8336	0.5507	0.2015						
105	23.6171	0.8313	0.5185	0.1924						
110	26.7313	0.8292	0.4859	0.1826						
115	30.0821	0.8272	0.4529	0.1722						
120	33.6776	0.8253	0.4196	0.1613						
125	37.5158	0.8236	0.3858	0.1498						
130	41.6550	0.8221	0.3518	0.1378						
135	46.0838	0.8207	0.3175	0.1254						
140	50.8406	0.8194	0.2829	0.1126						
145	55.8842	0.8184	0.2480	0.0993						
150	61.1935	0.8174	0.2130	0.0858						
155	66.779	0.8166	0.1778	0.0719						
160	72.6065	0.8160	0.1424	0.0578						
165	78.691	0.8155	0.1069	0.0435						
170	85.0755	0.8151	0.0713	0.0291						
175	91.8056	0.8149	0.0357	0.0146						
180	0.	0.8148	0.	0.						

GAMMA = 0.8000

ALPHA = 12.000

K = 2.200

DC = 2.4739

XR = 1.0963

BR = 1.291187

TR = 52.66

CR = 0.9190

QR = 0.4484E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9217	1.0646	0.2425	0.9217	1.0646	0.2425			
5	1.1336	0.9145	1.0444	0.2449	0.9293	1.0842	0.2402	1.8666	1.8972	7.5593
10	1.2545	0.9077	1.0237	0.2471	0.9375	1.1033	0.2381	1.6299	1.6815	2.6623
15	1.4080	0.9013	1.0023	0.2491	0.9462	1.1219	0.2366	1.5075	1.5774	1.4373
20	1.5965	0.8952	0.9803	0.2507	0.9557	1.1401	0.2359	1.4259	1.5123	0.9296
25	1.8231	0.8894	0.9577	0.2520	0.9660	1.1581	0.2367	1.3644	1.4662	0.6684
30	2.0954	0.8839	0.9344	0.2528	0.9774	1.1759	0.2402	1.3144	1.4308	0.5188
35	2.4319	0.8787	0.9105	0.2530	0.9903	1.1938	0.2484	1.2712	1.4018	0.4304
40	2.8791	0.8737	0.8859	0.2527	1.0054	1.2124	0.2661	1.2317	1.3764	0.3842
45	3.3859	0.8690	0.8607	0.2518	1.0243	1.2327	0.3082	1.1927	1.3522	0.3825
50	5.4873	0.8644	0.8348	0.2502	1.0525	1.2583	0.4687	1.1478	1.3246	0.5125
55	1.2750	0.8602	0.8084	0.2480						
60	1.4358	0.8561	0.7813	0.2451						
65	1.5954	0.8522	0.7536	0.2415						
70	1.7514	0.8486	0.7253	0.2373						
75	1.9017	0.8451	0.6965	0.2323						
80	2.0439	0.8418	0.6671	0.2266						
85	2.1757	0.8388	0.6372	0.2203						
90	2.2947	0.8358	0.6068	0.2132						
95	2.3986	0.8331	0.5759	0.2055						
100	2.4852	0.8305	0.5445	0.1972						
105	2.5520	0.8281	0.5127	0.1882						
110	2.5970	0.8259	0.4805	0.1786						
115	2.6181	0.8239	0.4479	0.1684						
120	2.6131	0.8220	0.4149	0.1577						
125	2.5802	0.8202	0.3815	0.1465						
130	2.5177	0.8186	0.3478	0.1348						
135	2.4239	0.8172	0.3139	0.1226						
140	2.2973	0.8159	0.2797	0.1100						
145	2.1368	0.8148	0.2452	0.0971						
150	1.9413	0.8138	0.2106	0.0838						
155	1.7099	0.8130	0.1758	0.0703						
160	1.4419	0.8123	0.1408	0.0565						
165	1.1370	0.8118	0.1057	0.0426						
170	0.7949	0.8114	0.0705	0.0285						
175	0.4158	0.8112	0.0353	0.0143						
180	0.	0.8111	0.	0.						

GAMMA = 0.8000

ALPHA = 12.000

K = 2.600

DC = 2.5236

XR = 1.0928

BR = 1.260588

TR = 43.96

CR = 0.7673

QR = 0.3270E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9236	1.0485	0.2421	0.9236	1.0485	0.2421			
5	1.1513	0.9155	1.0282	0.2429	0.9323	1.0685	0.2418	1.8053	1.8347	7.0306
10	1.2928	0.9079	1.0073	0.2439	0.9418	1.0881	0.2423	1.5766	1.6264	2.4976
15	1.4761	0.9008	0.9859	0.2449	0.9521	1.1074	0.2444	1.4573	1.5248	1.3652
20	1.7080	0.8941	0.9639	0.2457	0.9635	1.1266	0.2489	1.3766	1.4603	0.8991
25	2.0019	0.8877	0.9414	0.2463	0.9763	1.1461	0.2580	1.3145	1.4136	0.6646
30	2.3916	0.8817	0.9183	0.2465	0.9913	1.1661	0.2758	1.2624	1.3764	0.5400
35	2.9774	0.8761	0.8945	0.2463	1.0098	1.1878	0.3144	1.2148	1.3437	0.4888
40	4.2415	0.8707	0.8702	0.2456	1.0357	1.2140	0.4317	1.1654	1.3107	0.5464
45	1.0106	0.8656	0.8453	0.2443						
50	1.1750	0.8608	0.8198	0.2426						
55	1.3422	0.8562	0.7937	0.2402						
60	1.5102	0.8518	0.7670	0.2372						
65	1.6767	0.8477	0.7397	0.2335						
70	1.8394	0.8438	0.7119	0.2292						
75	1.9960	0.8401	0.6835	0.2243						
80	2.1441	0.8367	0.6546	0.2187						
85	2.2812	0.8334	0.6252	0.2125						
90	2.4049	0.8303	0.5953	0.2056						
95	2.5129	0.8274	0.5649	0.1981						
100	2.6026	0.8247	0.5341	0.1899						
105	2.6717	0.8222	0.5029	0.1812						
110	2.7180	0.8199	0.4712	0.1719						
115	2.7393	0.8177	0.4392	0.1621						
120	2.7324	0.8157	0.4068	0.1518						
125	2.6985	0.8139	0.3741	0.1409						
130	2.6326	0.8122	0.3411	0.1296						
135	2.5340	0.8107	0.3078	0.1179						
140	2.4014	0.8094	0.2742	0.1058						
145	2.2333	0.8082	0.2404	0.0934						
150	2.0287	0.8072	0.2065	0.0806						
155	1.7867	0.8063	0.1723	0.0676						
160	1.5066	0.8056	0.1380	0.0543						
165	1.1879	0.8051	0.1036	0.0409						
170	0.8305	0.8047	0.0691	0.0273						
175	0.4344	0.8044	0.0346	0.0137						
180	0.	0.8044	0.	0.						

GAMMA = C.80CC

ALPHA = 12.CCC

K = 3.000

DC = 2.5666

XR = 1.C992

BR = 1.237579

TR = 37.78

CR = C.6593

QR = 0.2564E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.C000	C.9251	1.C361	C.2440	C.9251	1.C361	C.2440			
5	1.1690	C.9161	1.C154	C.2430	C.9349	1.0565	C.2461	1.7541	1.7827	6.6152
10	1.3334	C.9078	C.9943	C.2426	C.9457	1.0768	C.2500	1.5318	1.5802	2.3723
15	1.5516	C.9000	C.9728	C.2425	C.9576	1.0972	C.2571	1.4149	1.4806	1.3151
20	1.8405	C.8928	C.9508	C.2425	C.9713	1.1179	C.2698	1.3342	1.4160	0.8859
25	2.2395	C.8859	C.9283	C.2423	C.9874	1.1396	C.2940	1.2704	1.3676	0.6811
30	2.8753	C.8795	C.9052	C.2420	1.0079	1.1636	C.3478	1.2140	1.3267	0.6008
35	4.5508	C.8734	C.8816	C.2413	1.0387	1.1945	C.5419	1.1550	1.2849	0.7101
40	6.8543	C.8677	C.8575	C.2402						
45	1.0603	C.8623	C.8327	C.2386						
50	1.2312	C.8572	C.8074	C.2366						
55	1.4049	C.8523	C.7816	C.2340						
60	1.5793	C.8477	C.7552	C.2309						
65	1.7519	C.8434	C.7282	C.2271						
70	1.9206	C.8393	C.7008	C.2228						
75	2.0828	C.8355	C.6727	C.2179						
80	2.2360	C.8318	C.6442	C.2123						
85	2.3778	C.8284	C.6152	C.2062						
90	2.5056	C.8252	C.5858	C.1994						
95	2.6170	C.8222	C.5558	C.1920						
100	2.7094	C.8194	C.5255	C.1841						
105	2.7854	C.8167	C.4947	C.1756						
110	2.8278	C.8143	C.4635	C.1665						
115	2.8491	C.8120	C.4320	C.1570						
120	2.8423	C.8099	C.4001	C.1469						
125	2.8053	C.8080	C.3679	C.1364						
130	2.7362	C.8063	C.3354	C.1254						
135	2.6334	C.8048	C.3027	C.1141						
140	2.4952	C.8034	C.2697	C.1023						
145	2.3202	C.8021	C.2364	C.0903						
150	2.1074	C.8011	C.2030	C.0779						
155	1.8558	C.8002	C.1694	C.0653						
160	1.5647	C.7995	C.1357	C.0525						
165	1.2337	C.7989	C.1019	C.0395						
170	0.8625	C.7985	C.0680	C.0264						
175	0.4511	C.7983	C.0340	C.0132						
180	0.	C.7982	0.	0.						

GAMMA=C.80CC ALPHA=12.000 K= 4.000

DC= 2.26547 XR= 1.08617 BR= 1.19909
TR=28.0024 CR= C.48873 QR=16.58274

THETA	ST	X1	B1	S1
0	1.C000	C.9278	1.0146	C.2549
5	1.2140	C.9168	C.9928	C.2484
10	1.4461	C.9067	C.9709	C.2441
15	1.7858	C.8975	C.9489	C.2411
20	2.3418	C.8890	C.9265	C.2387
25	3.7419	C.8811	C.9039	C.2368
30	5.6561	C.8738	C.8808	C.2350
35	0.8203	C.8669	C.8573	C.2331
40	0.9934	C.8605	C.8333	C.2311
45	1.1735	C.8544	C.8089	C.2287
50	1.3585	C.8488	C.7840	C.2261
55	1.5460	C.8434	C.7586	C.2230
60	1.7339	C.8384	C.7327	C.2195
65	1.9196	C.8336	C.7063	C.2155
70	2.1006	C.8291	C.6794	C.2110
75	2.2744	C.8249	C.6521	C.2060
80	2.4383	C.8210	C.6243	C.2005
85	2.5856	C.8172	C.5960	C.1944
90	2.7258	C.8138	C.5673	C.1878
95	2.8440	C.8105	C.5382	C.1807
100	2.9418	C.8075	C.5087	C.1731
105	3.0165	C.8046	C.4788	C.1650
110	3.0655	C.8020	C.4486	C.1564
115	3.0866	C.7996	C.4180	C.1473
120	3.0774	C.7974	C.3871	C.1378
125	3.0357	C.7953	C.3559	C.1278
130	2.9566	C.7935	C.3245	C.1175
135	2.8471	C.7918	C.2927	C.1068
140	2.6967	C.7903	C.2608	C.0958
145	2.5068	C.7890	C.2286	C.0845
150	2.2763	C.7879	C.1963	C.0729
155	2.0040	C.7869	C.1638	C.0611
160	1.6854	C.7862	C.1312	C.0491
165	1.3317	C.7856	C.0985	C.0370
170	0.9309	C.7851	C.0657	C.0247
175	0.4869	C.7849	C.0329	C.0124
180	0.	C.7848	0.	0.

GAMMA=C.80CC ALPHA=12.000 K= 5.000

DC= 2.27250 XR= 1.08377 BR= 1.17530
TR=22.2721 CR= C.38872 QR=12.23505

THETA	ST	X1	B1	S1
0	1.C000	C.9296	1.C009	C.2704
5	1.2609	C.9165	C.9777	C.2574
10	1.5804	C.9050	C.9548	C.2487
15	2.1336	C.8945	C.9321	C.2426
20	3.7648	C.8850	C.9094	C.2380
25	C.5565	C.8763	C.8864	C.2343
30	C.7215	C.8683	C.8632	C.2311
35	C.8976	C.8608	C.8397	C.2281
40	1.0826	C.8538	C.8158	C.2252
45	1.2745	C.8472	C.7915	C.2222
50	1.4711	C.8411	C.7668	C.2190
55	1.6701	C.8354	C.7416	C.2155
60	1.8690	C.8300	C.7161	C.2116
65	2.0653	C.8249	C.6901	C.2074
70	2.2563	C.8202	C.6636	C.2028
75	2.4394	C.8157	C.6367	C.1977
80	2.6118	C.8115	C.6094	C.1921
85	2.7707	C.8076	C.5817	C.1861
90	2.9134	C.8039	C.5536	C.1796
95	3.0369	C.8005	C.5251	C.1726
100	3.1387	C.7973	C.4962	C.1652
105	3.2159	C.7943	C.4670	C.1573
110	3.2660	C.7915	C.4375	C.1490
115	3.2865	C.7890	C.4076	C.1403
120	3.2749	C.7867	C.3774	C.1311
125	3.2289	C.7845	C.3469	C.1216
130	3.1466	C.7826	C.3162	C.1117
135	3.0258	C.7808	C.2853	C.1015
140	2.8650	C.7793	C.2541	C.0910
145	2.6624	C.7779	C.2228	C.0803
150	2.4170	C.7768	C.1913	C.0692
155	2.1275	C.7758	C.1596	C.0580
160	1.7931	C.7750	C.1278	C.0466
165	1.4134	C.7743	C.0960	C.0351
170	C.9879	C.7739	C.0640	C.0235
175	C.5167	C.7736	C.0320	C.0117
180	0.	C.7735	0.	0.

GAMMA=C.8000 ALPHA=12.000 K= 6.000
 DC= 2.7840 XR= 1.08217 BR= 1.15914
 TR=18.4975 CR= 0.32284 QR= 9.69089

THETA	ST	X1	B1	S1
0	1.0000	0.9309	0.9914	0.2885
5	1.3109	0.9159	0.9666	0.2679
10	1.7450	0.9029	0.9428	0.2545
15	2.7745	0.8914	0.9194	0.2453
20	0.4440	0.8811	0.8962	0.2385
25	0.6066	0.8716	0.8729	0.2331
30	0.7821	0.8630	0.8495	0.2287
35	0.9686	0.8549	0.8259	0.2247
40	1.1640	0.8475	0.8020	0.2211
45	1.3661	0.8406	0.7778	0.2174
50	1.5727	0.8341	0.7532	0.2137
55	1.7814	0.8281	0.7283	0.2098
60	1.9896	0.8224	0.7029	0.2057
65	2.1949	0.8171	0.6772	0.2012
70	2.3943	0.8122	0.6511	0.1964
75	2.5852	0.8075	0.6246	0.1912
80	2.7646	0.8031	0.5976	0.1856
85	2.9298	0.7990	0.5704	0.1796
90	3.0777	0.7952	0.5427	0.1732
95	3.2056	0.7917	0.5147	0.1663
100	3.3105	0.7883	0.4863	0.1590
105	3.3896	0.7852	0.4576	0.1514
110	3.4403	0.7824	0.4286	0.1433
115	3.4600	0.7798	0.3992	0.1348
120	3.4460	0.7773	0.3696	0.1259
125	3.3962	0.7751	0.3398	0.1168
130	3.3082	0.7731	0.3097	0.1072
135	3.1801	0.7713	0.2793	0.0974
140	3.0102	0.7697	0.2488	0.0873
145	2.7966	0.7683	0.2181	0.0770
150	2.5382	0.7671	0.1873	0.0664
155	2.2338	0.7661	0.1563	0.0556
160	1.8824	0.7653	0.1251	0.0447
165	1.4835	0.7646	0.0939	0.0336
170	1.0365	0.7642	0.0627	0.0225
175	0.5423	0.7639	0.0313	0.0113
180	0.	0.7638	0.	0.

GAMMA=C.8000 ALPHA=12.000 K= 8.000
 DC= 2.8806 XR= 1.08019 BR= 1.13857
 TR=13.8223 CR= 0.24124 QR= 6.84427

THETA	ST	X1	B1	S1
0	1.0000	0.9326	0.9790	0.3287
5	1.4225	0.9140	0.9512	0.2899
10	2.2690	0.8985	0.9254	0.2669
15	0.3513	0.8852	0.9006	0.2516
20	0.5174	0.8734	0.8765	0.2407
25	0.6983	0.8628	0.8526	0.2324
30	0.8918	0.8532	0.8289	0.2258
35	1.0959	0.8444	0.8050	0.2202
40	1.3087	0.8363	0.7811	0.2152
45	1.5277	0.8288	0.7569	0.2106
50	1.7519	0.8218	0.7325	0.2060
55	1.9756	0.8154	0.7078	0.2015
60	2.1992	0.8093	0.6828	0.1969
65	2.4190	0.8036	0.6575	0.1921
70	2.6321	0.7984	0.6318	0.1870
75	2.8355	0.7934	0.6058	0.1816
80	3.0262	0.7888	0.5795	0.1760
85	3.2012	0.7845	0.5528	0.1700
90	3.3575	0.7804	0.5259	0.1636
95	3.4919	0.7767	0.4985	0.1569
100	3.6014	0.7732	0.4709	0.1498
105	3.6832	0.7700	0.4430	0.1424
110	3.7344	0.7670	0.4148	0.1347
115	3.7521	0.7642	0.3864	0.1266
120	3.7338	0.7617	0.3576	0.1182
125	3.6769	0.7594	0.3287	0.1095
130	3.5792	0.7573	0.2995	0.1005
135	3.4386	0.7554	0.2701	0.0912
140	3.2530	0.7537	0.2406	0.0817
145	3.0209	0.7523	0.2109	0.0720
150	2.7406	0.7510	0.1810	0.0621
155	2.4111	0.7499	0.1510	0.0520
160	2.0313	0.7491	0.1210	0.0418
165	1.6006	0.7484	0.0908	0.0314
170	1.1185	0.7479	0.0606	0.0210
175	0.5845	0.7476	0.0303	0.0105
180	0.	0.7475	0.	0.

GAMMA=C.8000 ALPHA=12.000 K=10.000
 DC= 2.9589 XR= 1.07900 BR= 1.12603
 TR=11.0367 CR= 0.19263 QR= 5.29689

THETA	ST	X1	B1	S1
0	1.0000	0.9336	0.9713	0.3716
5	1.5350	0.9117	0.9404	0.3116
10	3.8896	0.8941	0.9127	0.2786
15	0.4022	0.8792	0.8868	0.2577
20	0.5844	0.8663	0.8619	0.2432
25	0.7808	0.8549	0.8375	0.2324
30	0.9893	0.8445	0.8133	0.2240
35	1.2080	0.8351	0.7893	0.2171
40	1.4350	0.8265	0.7653	0.2111
45	1.6680	0.8186	0.7412	0.2056
50	1.9046	0.8113	0.7169	0.2005
55	2.1422	0.8045	0.6923	0.1955
60	2.3782	0.7981	0.6676	0.1904
65	2.6097	0.7922	0.6425	0.1853
70	2.8336	0.7867	0.6172	0.1801
75	3.0469	0.7816	0.5916	0.1746
80	3.2464	0.7768	0.5657	0.1688
85	3.4291	0.7723	0.5395	0.1628
90	3.5916	0.7681	0.5131	0.1565
95	3.7309	0.7642	0.4863	0.1499
100	3.8438	0.7606	0.4592	0.1430
105	3.9272	0.7573	0.4319	0.1358
110	3.9782	0.7542	0.4044	0.1283
115	3.9939	0.7514	0.3765	0.1205
120	3.9716	0.7487	0.3485	0.1124
125	3.9086	0.7464	0.3202	0.1041
130	3.8026	0.7442	0.2918	0.0955
135	3.6513	0.7423	0.2631	0.0866
140	3.4527	0.7406	0.2343	0.0776
145	3.2050	0.7391	0.2054	0.0683
150	2.9067	0.7378	0.1763	0.0589
155	2.5565	0.7367	0.1471	0.0493
160	2.1533	0.7358	0.1178	0.0396
165	1.6964	0.7351	0.0884	0.0298
170	1.1853	0.7346	0.0590	0.0199
175	0.6198	0.7343	0.0295	0.0100
180	0.	0.7342	0.	0.

GAMMA=C.8000 ALPHA=12.000 K=20.000
 DC= 3.2267 XR= 1.07663 BR= 1.10048
 TR= 4.5009 CR= 0.07856 QR= 2.47972

THETA	ST	X1	B1	S1
0	1.0000	0.9358	0.9552	0.5957
5	0.1700	0.8993	0.9103	0.4002
10	0.3859	0.8740	0.8755	0.3211
15	0.6144	0.8543	0.8453	0.2783
20	0.8540	0.8380	0.8176	0.2513
25	1.1045	0.8239	0.7914	0.2325
30	1.3649	0.8116	0.7662	0.2186
35	1.6338	0.8006	0.7416	0.2076
40	1.9093	0.7906	0.7173	0.1986
45	2.1892	0.7816	0.6932	0.1908
50	2.4708	0.7733	0.6692	0.1839
55	2.7513	0.7657	0.6452	0.1775
60	3.0277	0.7586	0.6212	0.1714
65	3.2968	0.7521	0.5976	0.1655
70	3.5552	0.7460	0.5728	0.1597
75	3.7996	0.7404	0.5483	0.1539
80	4.0263	0.7351	0.5238	0.1481
85	4.2318	0.7303	0.4990	0.1421
90	4.4126	0.7257	0.4740	0.1360
95	4.5652	0.7215	0.4489	0.1297
100	4.6861	0.7177	0.4236	0.1233
105	4.7715	0.7141	0.3981	0.1167
110	4.8153	0.7107	0.3724	0.1109
115	4.8251	0.7077	0.3466	0.1030
120	4.7862	0.7049	0.3206	0.0958
125	4.6998	0.7024	0.2945	0.0885
130	4.5632	0.7001	0.2682	0.0810
135	4.3738	0.6980	0.2417	0.0734
140	4.1295	0.6962	0.2152	0.0656
145	3.8280	0.6946	0.1885	0.0577
150	3.4677	0.6932	0.1618	0.0497
155	3.0465	0.6920	0.1349	0.0415
160	2.5643	0.6911	0.1080	0.0333
165	2.0190	0.6903	0.0811	0.0251
170	1.4101	0.6898	0.0541	0.0167
175	0.7371	0.6895	0.0270	0.0084
180	0.	0.6894	0.	0.

GAMMA = 0.8000

ALPHA = 13.000

K = 0.200

DC = 1.7757

XD = 1.6273

BD = 2.103800

W2 = -0.3920E 01

INETA	S7	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8960	1.4946	0.4843	0.8960	1.4946	0.5048			
5	1.0230	0.8948	1.4659	0.4901	0.8972	1.5223	0.4982	2.0538	2.1064	22.3525
10	1.0647	0.8937	1.4362	0.4949	0.8983	1.5493	0.4910	2.0823	2.7200	7.6034
15	1.1234	0.8925	1.4057	0.4987	0.8995	1.5754	0.4833	2.14209	2.5385	3.9511
20	1.1968	0.8914	1.3743	0.5016	0.9007	1.6006	0.4749	2.2855	2.4296	2.4368
25	1.2827	0.8903	1.3420	0.5034	0.9018	1.6249	0.4661	2.1884	2.3565	1.6483
30	1.3797	0.8892	1.3089	0.5041	0.9030	1.6483	0.4569	2.1143	2.3042	1.1809
35	1.4859	0.8881	1.2748	0.5036	0.9041	1.6709	0.4473	2.0552	2.2652	0.8797
40	1.5998	0.8870	1.2399	0.5020	0.9053	1.6926	0.4374	2.0067	2.2353	0.6738
45	1.7199	0.8859	1.2042	0.4992	0.9064	1.7195	0.4273	1.9661	2.2119	0.5269
50	1.8443	0.8849	1.1676	0.4952	0.9075	1.7398	0.4170	1.9315	2.1933	0.4187
55	1.9721	0.8839	1.1301	0.4899	0.9086	1.7529	0.4065	1.9017	2.1783	0.3369
60	2.1011	0.8829	1.0919	0.4833	0.9097	1.7714	0.3961	1.8757	2.1661	0.2739
65	2.2299	0.8819	1.0529	0.4754	0.9107	1.7891	0.3856	1.8528	2.1561	0.2245
70	2.3571	0.8810	1.0131	0.4663	0.9118	1.8061	0.3752	1.8325	2.1478	0.1852
75	2.4810	0.8801	0.9726	0.4558	0.9128	1.8223	0.3649	1.8145	2.1409	0.1537
80	2.6003	0.8793	0.9313	0.4441	0.9138	1.8378	0.3547	1.7983	2.1352	0.1282
85	2.7133	0.8784	0.8894	0.4311	0.9148	1.8526	0.3448	1.7838	2.1304	0.1073
90	2.8188	0.8776	0.8467	0.4169	0.9157	1.8667	0.3351	1.7707	2.1264	0.0902
95	2.9169	0.8769	0.8034	0.4014	0.9166	1.8803	0.3257	1.7589	2.1230	0.0761
100	3.0086	0.8761	0.7598	0.3848	0.9175	1.8938	0.3166	1.7481	2.1201	0.0643
105	3.0944	0.8754	0.7150	0.3669	0.9184	1.9063	0.3079	1.7384	2.1177	0.0545
110	3.1747	0.8748	0.6700	0.3480	0.9193	1.9188	0.2997	1.7295	2.1157	0.0464
115	3.2495	0.8742	0.6244	0.3280	0.9201	1.9299	0.2918	1.7214	2.1139	0.0395
120	3.3186	0.8736	0.5783	0.3069	0.9209	1.9399	0.2843	1.7139	2.1124	0.0338
125	3.3820	0.8731	0.5320	0.2849	0.9216	1.9489	0.2776	1.7072	2.1112	0.0290
130	3.4406	0.8726	0.4848	0.2620	0.9224	1.9579	0.2712	1.7009	2.1101	0.0250
135	3.4942	0.8721	0.4376	0.2383	0.9231	1.9666	0.2654	1.6952	2.1092	0.0216
140	3.5430	0.8716	0.3897	0.2138	0.9238	1.9750	0.2602	1.6900	2.1084	0.0188
145	3.5879	0.8711	0.3417	0.1886	0.9244	1.9830	0.2555	1.6851	2.1077	0.0165
150	3.6287	0.8706	0.2934	0.1628	0.9250	1.9906	0.2514	1.6807	2.1072	0.0146
155	3.6657	0.8701	0.2449	0.1365	0.9256	1.9977	0.2479	1.6766	2.1067	0.0131
160	3.6989	0.8697	0.1962	0.1097	0.9262	2.0044	0.2451	1.6729	2.1063	0.0119
165	3.7280	0.8693	0.1473	0.0826	0.9268	2.0108	0.2429	1.6694	2.1059	0.0110
170	3.7533	0.8689	0.0982	0.0552	0.9273	2.0167	0.2413	1.6662	2.1056	0.0104
175	3.7750	0.8685	0.0491	0.0277	0.9278	2.0223	0.2403	1.6633	2.1054	0.0101
180	3.7936	0.8681	0.	0.	0.9282	2.0276	0.2400	1.6606	2.1051	0.0099

GAMMA = 0.8000

ALPHA = 13.000

K = 0.400

DC = 1.9658

XD = 1.4169

BD = 1.831350

W2 = -0.4657E 01

INETA	S7	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9834	1.3341	0.3725	0.9034	1.8334	0.3878			
5	1.0418	0.9815	1.3093	0.3783	0.9053	1.8350	0.3813	2.0259	2.6705	16.0485
10	1.0944	0.9796	1.2837	0.3834	0.9073	1.8362	0.3748	2.0731	2.3477	5.4850
15	1.1632	0.9777	1.2572	0.3878	0.9092	1.8369	0.3683	2.0958	2.1959	2.8572
20	1.2470	0.9758	1.2298	0.3913	0.9112	1.8369	0.3619	1.9822	2.1050	1.7648
25	1.3439	0.9740	1.2016	0.3940	0.9132	1.8366	0.3557	1.9006	2.0439	1.1947
30	1.4525	0.9722	1.1726	0.3957	0.9152	1.8362	0.3492	1.8382	2.0002	0.8566
35	1.5709	0.9705	1.1427	0.3966	0.9172	1.8353	0.3434	1.7884	1.9877	0.6385
40	1.6975	0.9688	1.1120	0.3964	0.9192	1.8340	0.3383	1.7475	1.9847	0.4895
45	1.8305	0.9671	1.0805	0.3952	0.9212	1.8319	0.3335	1.7132	1.9831	0.3832
50	1.9681	0.9655	1.0482	0.3930	0.9231	1.8288	0.3293	1.6839	1.9875	0.3048
55	2.1087	0.9639	1.0151	0.3897	0.9251	1.8255	0.2972	1.6586	1.9950	0.2457
60	2.2504	0.9624	0.9812	0.3853	0.9270	1.8218	0.2881	1.6365	1.9847	0.2000
65	2.3915	0.9609	0.9466	0.3799	0.9290	1.8182	0.2790	1.6170	1.9763	0.1643
70	2.5302	0.9595	0.9112	0.3733	0.9309	1.8143	0.2701	1.5997	1.9694	0.1359
75	2.6647	0.9581	0.8751	0.3656	0.9328	1.8104	0.2614	1.5843	1.9636	0.1131
80	2.7935	0.9568	0.8383	0.3568	0.9346	1.8063	0.2528	1.5694	1.9587	0.0946
85	2.9147	0.9555	0.8008	0.3470	0.9365	1.8019	0.2445	1.5579	1.9547	0.0794
90	3.0269	0.9543	0.7626	0.3360	0.9383	1.7972	0.2364	1.5486	1.9512	0.0670
95	3.1284	0.9531	0.7239	0.3240	0.9400	1.7923	0.2287	1.5394	1.9483	0.0567
100	3.2176	0.9520	0.6846	0.3110	0.9418	1.7872	0.2213	1.5317	1.9459	0.0482
105	3.2937	0.9510	0.6446	0.2969	0.9435	1.7819	0.2142	1.5234	1.9438	0.0410
110	3.3568	0.9500	0.6041	0.2819	0.9451	1.7763	0.2076	1.5158	1.9420	0.0351
115	3.4080	0.9491	0.5632	0.2660	0.9467	1.7706	0.2013	1.5087	1.9405	0.0300
120	3.4580	0.9483	0.5217	0.2491	0.9483	1.7648	0.1954	1.4972	1.9392	0.0258
125	3.4982	0.9475	0.4798	0.2315	0.9499	1.7590	0.1900	1.4912	1.9381	0.0223
130	3.5295	0.9468	0.4375	0.2130	0.9513	1.7531	0.1850	1.4857	1.9372	0.0193
135	3.5614	0.9461	0.3949	0.1939	0.9528	1.7470	0.1804	1.4806	1.9364	0.0169
140	3.5835	0.9455	0.3519	0.1741	0.9542	1.7408	0.1763	1.4759	1.9357	0.0148
145	3.6053	0.9450	0.3086	0.1536	0.9556	1.7347	0.1727	1.4716	1.9351	0.0131
150	3.6269	0.9446	0.2650	0.1327	0.9569	1.7284	0.1695	1.4676	1.9346	0.0117
155	3.6483	0.9442	0.2212	0.1113	0.9581	1.7220	0.1669	1.4639	1.9341	0.0105
160	3.6699	0.9439	0.1772	0.0895	0.9594	1.7158	0.1647	1.4605	1.9337	0.0096
165	3.6910	0.9437	0.1330	0.0674	0.9606	1.7094	0.1630	1.4574	1.9334	0.0090
170	3.7116	0.9435	0.0887	0.0451	0.9617	1.7029	0.1617	1.4545	1.9331	0.0085
175	3.7315	0.9434	0.0444	0.0226	0.9628	1.6963	0.1610	1.4518	1.9329	0.0082
180	3.7506	0.9433	0.	0.	0.9638	1.6897	0.1608	1.4493	1.9327	0.0081

GAMMA = 0.8000

ALPHA = 13.000

K = 0.600

DC = 2.0776

X0 = 1.2838

B0 = 1.685968

V2 = -0.4019E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9085	1.2540	0.3217	0.9085	1.2540	0.3346			
5	1.0565	0.9059	1.2312	0.3277	0.9111	1.2760	0.3281	2.4087	2.4493	13.2621
10	1.1170	0.9034	1.2075	0.3329	0.9138	1.2971	0.3211	2.0903	2.1582	4.5485
15	1.1934	0.9009	1.1831	0.3375	0.9165	1.3174	0.3138	1.9298	2.0212	2.3743
20	1.2852	0.8984	1.1578	0.3413	0.9192	1.3370	0.3060	1.8271	1.9391	1.4690
25	1.3909	0.8960	1.1316	0.3444	0.9220	1.3557	0.2979	1.7531	1.8839	0.9965
30	1.5087	0.8937	1.1046	0.3466	0.9248	1.3736	0.2896	1.6963	1.8443	0.7161
35	1.6368	0.8914	1.0768	0.3480	0.9276	1.3907	0.2810	1.6510	1.8148	0.5352
40	1.7733	0.8892	1.0482	0.3485	0.9304	1.4071	0.2723	1.6136	1.7921	0.4116
45	1.9163	0.8870	1.0188	0.3480	0.9333	1.4227	0.2635	1.5821	1.7742	0.3234
50	2.0637	0.8849	0.9886	0.3466	0.9361	1.4376	0.2547	1.5552	1.7599	0.2584
55	2.2137	0.8829	0.9577	0.3441	0.9390	1.4518	0.2459	1.5318	1.7483	0.2093
60	2.3643	0.8809	0.9259	0.3407	0.9418	1.4653	0.2371	1.5113	1.7389	0.1714
65	2.5135	0.8791	0.8934	0.3363	0.9447	1.4781	0.2284	1.4931	1.7310	0.1417
70	2.6594	0.8772	0.8602	0.3309	0.9475	1.4903	0.2199	1.4770	1.7245	0.1180
75	2.8000	0.8755	0.8263	0.3244	0.9504	1.5018	0.2116	1.4624	1.7190	0.0989
80	2.9336	0.8738	0.7917	0.3169	0.9532	1.5128	0.2034	1.4493	1.7144	0.0835
85	3.0583	0.8722	0.7565	0.3084	0.9560	1.5231	0.1955	1.4374	1.7105	0.0708
90	3.1723	0.8707	0.7206	0.2989	0.9588	1.5329	0.1879	1.4266	1.7072	0.0603
95	3.2739	0.8693	0.6841	0.2885	0.9615	1.5421	0.1807	1.4168	1.7044	0.0516
100	3.3617	0.8679	0.6470	0.2771	0.9643	1.5508	0.1737	1.4077	1.7020	0.0444
105	3.4340	0.8666	0.6093	0.2647	0.9670	1.5590	0.1671	1.3994	1.6999	0.0383
110	3.4895	0.8654	0.5711	0.2515	0.9696	1.5668	0.1608	1.3918	1.6981	0.0332
115	3.5268	0.8643	0.5325	0.2374	0.9723	1.5740	0.1550	1.3847	1.6966	0.0289
120	3.5446	0.8632	0.4933	0.2225	0.9749	1.5809	0.1494	1.3782	1.6952	0.0252
125	3.5426	0.8623	0.4538	0.2068	0.9774	1.5873	0.1444	1.3721	1.6941	0.0221
130	3.5196	0.8614	0.4138	0.1904	0.9800	1.5934	0.1398	1.3665	1.6931	0.0195
135	3.4748	0.8606	0.3735	0.1733	0.9824	1.5991	0.1356	1.3613	1.6922	0.0174
140	3.4078	0.8599	0.3328	0.1557	0.9848	1.6044	0.1318	1.3565	1.6914	0.0155
145	3.3183	0.8592	0.2919	0.1374	0.9872	1.6095	0.1285	1.3519	1.6908	0.0140
150	3.2062	0.8587	0.2507	0.1187	0.9896	1.6142	0.1256	1.3477	1.6902	0.0127
155	3.0716	0.8582	0.2092	0.0996	0.9918	1.6186	0.1231	1.3438	1.6897	0.0117
160	2.9150	0.8578	0.1676	0.0801	0.9941	1.6227	0.1211	1.3401	1.6892	0.0109
165	2.7369	0.8575	0.1258	0.0603	0.9962	1.6266	0.1196	1.3367	1.6888	0.0103
170	2.5382	0.8573	0.0840	0.0403	0.9983	1.6302	0.1184	1.3335	1.6885	0.0099
175	2.3200	0.8572	0.0420	0.0202	1.0004	1.6337	0.1178	1.3305	1.6882	0.0096
180	2.0839	0.8572	0.	0.	1.0024	1.6368	0.1176	1.3277	1.6879	0.0095

GAMMA = 0.8000

ALPHA = 13.000

K = 0.800

DC = 2.1566 XR = 1.1438 BR = 1.577977 TR = 102.04 CR = 4.5022 QR = 0.2190E 05

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9124	1.2034	0.2921	0.9124	1.2034	0.2921			
5	1.0682	0.9092	1.1818	0.2980	0.9156	1.2242	0.2857	2.2674	2.3054	11.6025
10	1.1337	0.9060	1.1594	0.3033	0.9190	1.2441	0.2787	1.9713	2.0349	3.9906
15	1.2147	0.9030	1.1362	0.3080	0.9224	1.2633	0.2713	1.8216	1.9072	2.0876
20	1.3114	0.9000	1.1121	0.3119	0.9258	1.2816	0.2636	1.7256	1.8307	1.2946
25	1.4223	0.8971	1.0872	0.3151	0.9293	1.2992	0.2554	1.6563	1.7791	0.8807
30	1.5456	0.8943	1.0615	0.3176	0.9329	1.3160	0.2471	1.6030	1.7420	0.6351
35	1.6791	0.8915	1.0350	0.3192	0.9365	1.3320	0.2385	1.5602	1.7142	0.4767
40	1.8209	0.8889	1.0077	0.3200	0.9402	1.3472	0.2297	1.5249	1.6927	0.3684
45	1.9686	0.8863	0.9796	0.3199	0.9439	1.3617	0.2208	1.4949	1.6757	0.2911
50	2.1201	0.8838	0.9507	0.3188	0.9477	1.3755	0.2118	1.4692	1.6621	0.2342
55	2.2732	0.8814	0.9211	0.3169	0.9515	1.3886	0.2029	1.4467	1.6509	0.1911
60	2.4256	0.8791	0.8907	0.3140	0.9554	1.4010	0.1939	1.4269	1.6417	0.1578
65	2.5752	0.8769	0.8595	0.3102	0.9592	1.4128	0.1850	1.4092	1.6340	0.1316
70	2.7197	0.8748	0.8277	0.3053	0.9631	1.4239	0.1762	1.3933	1.6275	0.1108
75	2.8570	0.8727	0.7951	0.2996	0.9671	1.4344	0.1675	1.3789	1.6221	0.0940
80	2.9849	0.8708	0.7619	0.2928	0.9710	1.4443	0.1590	1.3658	1.6174	0.0803
85	3.1033	0.8689	0.7281	0.2851	0.9750	1.4536	0.1507	1.3538	1.6134	0.0690
90	3.2043	0.8671	0.6936	0.2765	0.9790	1.4624	0.1426	1.3428	1.6099	0.0596
95	3.2918	0.8655	0.6585	0.2669	0.9830	1.4706	0.1347	1.3326	1.6069	0.0518
100	3.3619	0.8639	0.6229	0.2565	0.9871	1.4784	0.1272	1.3232	1.6042	0.0452
105	3.4129	0.8624	0.5867	0.2451	0.9911	1.4858	0.1198	1.3144	1.6019	0.0397
110	3.4568	0.8610	0.5500	0.2329	0.9952	1.4925	0.1136	1.3062	1.5999	0.0466
115	3.4918	0.8597	0.5128	0.2199	0.9992	1.4988	0.1081	1.2985	1.5981	0.0400
120	3.5142	0.8585	0.4751	0.2062	1.0033	1.5048	0.1025	1.2913	1.5965	0.0354
125	3.5185	0.8574	0.4370	0.1917	1.0074	1.5104	0.1015	1.2845	1.5951	0.0318
130	3.5060	0.8564	0.3986	0.1765	1.0114	1.5156	0.1009	1.2780	1.5938	0.0289
135	3.4725	0.8555	0.3597	0.1607	1.0155	1.5205	0.1005	1.2719	1.5927	0.0265
140	3.4266	0.8546	0.3206	0.1444	1.0196	1.5250	0.1027	1.2661	1.5917	0.0245
145	3.4174	0.8539	0.2812	0.1275	1.0237	1.5293	0.0993	1.2606	1.5907	0.0229
150	3.3847	0.8533	0.2415	0.1101	1.0277	1.5332	0.0964	1.2553	1.5899	0.0215
155	3.3286	0.8528	0.2016	0.0924	1.0318	1.5369	0.0939	1.2502	1.5891	0.0205
160	2.9492	0.8523	0.1615	0.0743	1.0359	1.5403	0.0919	1.2453	1.5884	0.0196
165	2.7474	0.8520	0.1212	0.0560	1.0400	1.5435	0.0904	1.2406	1.5878	0.0190
170	2.5239	0.8517	0.0809	0.0374	1.0441	1.5465	0.0893	1.2361	1.5872	0.0185
175	2.2802	0.8516	0.0405	0.0188	1.0482	1.5492	0.0886	1.2317	1.5866	0.0183
180	2.0178	0.8515	0.	0.	1.0523	1.5518	0.0884	1.2274	1.5861	0.0182

GAMMA = 0.8000 ALPHA = 13.000 K = 1.000

DC = 2.2178 XR = 1.1220 BR = 1.495483 YR = 152.45 CR = 2.6607 QR = 0.1142E 04

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9154	1.1678	0.2729	0.9154	1.1678	0.2729			
5	1.0795	0.9116	1.1470	0.2787	0.9193	1.1878	0.2666	2.1647	2.2007	10.4700
10	1.1515	0.9080	1.1254	0.2839	0.9232	1.2070	0.2598	1.8842	1.9447	3.6106
15	1.2338	0.9044	1.1030	0.2885	0.9273	1.2254	0.2526	1.7428	1.8242	1.8935
20	1.3449	0.9010	1.0798	0.2925	0.9315	1.2430	0.2451	1.6513	1.7513	1.1778
25	1.4652	0.8976	1.0557	0.2957	0.9357	1.2598	0.2372	1.5852	1.7021	0.8043
30	1.5989	0.8944	1.0309	0.2982	0.9401	1.2759	0.2291	1.5341	1.6667	0.5827
35	1.7437	0.8912	1.0053	0.2999	0.9446	1.2912	0.2209	1.4930	1.6399	0.4399
40	1.8973	0.8882	0.9788	0.3009	0.9491	1.3057	0.2124	1.4588	1.6191	0.3423
45	2.0575	0.8853	0.9516	0.3009	0.9538	1.3196	0.2039	1.4297	1.6026	0.2727
50	2.2219	0.8824	0.9236	0.3001	0.9586	1.3327	0.1954	1.4044	1.5891	0.2215
55	2.3883	0.8797	0.8949	0.2984	0.9634	1.3452	0.1868	1.3823	1.5780	0.1827
60	2.5543	0.8771	0.8654	0.2958	0.9684	1.3570	0.1783	1.3625	1.5688	0.1528
65	2.7178	0.8746	0.8353	0.2923	0.9735	1.3681	0.1699	1.3447	1.5609	0.1294
70	2.8766	0.8722	0.8044	0.2879	0.9787	1.3786	0.1617	1.3285	1.5542	0.1108
75	3.0285	0.8699	0.7728	0.2825	0.9840	1.3886	0.1536	1.3137	1.5484	0.0958
80	3.1715	0.8677	0.7406	0.2763	0.9894	1.3980	0.1458	1.3000	1.5434	0.0836
85	3.3038	0.8656	0.7077	0.2691	0.9950	1.4068	0.1382	1.2872	1.5389	0.0737
90	3.4235	0.8633	0.6742	0.2610	1.0006	1.4151	0.1309	1.2753	1.5350	0.0656
95	3.5290	0.8618	0.6401	0.2520	1.0065	1.4229	0.1239	1.2640	1.5314	0.0585
100	3.6191	0.8600	0.6055	0.2423	1.0125	1.4303	0.1172	1.2532	1.5282	0.0531
105	3.6927	0.8584	0.5703	0.2315	1.0187	1.4373	0.1110	1.2430	1.5253	0.0491
110	3.7493	0.8568	0.5347	0.2201	1.0251	1.4438	0.1052	1.2330	1.5226	0.0465
115	3.7891	0.8554	0.4985	0.2078	1.0318	1.4500	0.0998	1.2233	1.5201	0.0429
120	3.8134	0.8541	0.4619	0.1948	1.0388	1.4558	0.0951	1.2137	1.5177	0.0410
125	3.8255	0.8528	0.4249	0.1812	1.0462	1.4614	0.0921	1.2042	1.5153	0.0400
130	3.8327	0.8517	0.3875	0.1669	1.0541	1.4667	0.0881	1.1945	1.5130	0.0400
135	3.8360	0.8507	0.3498	0.1519	1.0627	1.4719	0.0855	1.1848	1.5107	0.0416
140	3.9164	0.8498	0.3117	0.1365	1.0724	1.4778	0.0876	1.1755	1.5082	0.0467
145	4.1152	0.8490	0.2734	0.1205	1.0840	1.4824	0.0949	1.1669	1.5053	0.0559
150	5.0870	0.8483	0.2348	0.1041	1.1005	1.4888	0.1336	1.1588	1.5012	0.0961
155	1.4778	0.8477	0.1960	0.0874						
160	1.2468	0.8473	0.1570	0.0709						
165	0.9834	0.8469	0.1179	0.0529						
170	0.6878	0.8466	0.0786	0.0354						
175	0.3598	0.8465	0.0393	0.0177						
180	0.	0.8464	0.	0.						

GAMMA = 0.8000 ALPHA = 13.000 K = 1.200

DC = 2.2676 XR = 1.1111 BR = 1.435736 YR = 114.34 CR = 1.9955 QR = 0.3705E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9179	1.1412	0.2598	0.9179	1.1412	0.2598			
5	1.0900	0.9136	1.1209	0.2654	0.9223	1.1607	0.2537	2.0849	2.1195	9.6339
10	1.1686	0.9094	1.0999	0.2704	0.9269	1.1793	0.2472	1.8166	1.8747	3.3309
15	1.2646	0.9054	1.0780	0.2749	0.9316	1.1973	0.2403	1.6810	1.7592	1.7518
20	1.3789	0.9015	1.0554	0.2788	0.9365	1.2144	0.2332	1.5931	1.6892	1.0937
25	1.5100	0.8977	1.0319	0.2819	0.9415	1.2308	0.2257	1.5292	1.6418	0.7504
30	1.6557	0.8941	1.0077	0.2844	0.9467	1.2464	0.2181	1.4797	1.6074	0.5469
35	1.8139	0.8906	0.9827	0.2861	0.9520	1.2613	0.2103	1.4396	1.5813	0.4159
40	1.9822	0.8872	0.9569	0.2871	0.9576	1.2755	0.2025	1.4060	1.5608	0.3265
45	2.1586	0.8840	0.9303	0.2872	0.9633	1.2890	0.1946	1.3772	1.5443	0.2629
50	2.3409	0.8809	0.9030	0.2865	0.9692	1.3019	0.1868	1.3520	1.5308	0.2163
55	2.5271	0.8779	0.8749	0.2849	0.9753	1.3141	0.1791	1.3296	1.5195	0.1812
60	2.7155	0.8750	0.8462	0.2825	0.9816	1.3257	0.1716	1.3094	1.5098	0.1544
65	2.9046	0.8722	0.8167	0.2792	0.9882	1.3367	0.1643	1.2909	1.5015	0.1337
70	3.0932	0.8696	0.7865	0.2750	0.9951	1.3471	0.1574	1.2738	1.4942	0.1176
75	3.2810	0.8671	0.7556	0.2700	1.0023	1.3571	0.1510	1.2577	1.4877	0.1051
80	3.4680	0.8647	0.7242	0.2640	1.0099	1.3666	0.1452	1.2425	1.4818	0.0957
85	3.6586	0.8625	0.6920	0.2572	1.0180	1.3756	0.1402	1.2278	1.4764	0.0888
90	3.8567	0.8603	0.6593	0.2495	1.0267	1.3844	0.1364	1.2134	1.4713	0.0846
95	4.0764	0.8583	0.6260	0.2409	1.0362	1.3929	0.1345	1.1990	1.4663	0.0831
100	4.3488	0.8564	0.5921	0.2315	1.0469	1.4013	0.1357	1.1841	1.4613	0.0856
105	4.7643	0.8546	0.5578	0.2214	1.0594	1.4099	0.1440	1.1680	1.4559	0.0958
110	5.2282	0.8529	0.5229	0.2104	1.0759	1.4196	0.1763	1.1484	1.4494	0.1304
115	2.3531	0.8514	0.4875	0.1987						
120	2.3518	0.8499	0.4518	0.1863						
125	2.3250	0.8486	0.4156	0.1733						
130	2.2711	0.8474	0.3790	0.1596						
135	2.1887	0.8463	0.3421	0.1463						
140	2.0763	0.8454	0.3049	0.1305						
145	1.9327	0.8445	0.2674	0.1153						
150	1.7571	0.8438	0.2296	0.0996						
155	1.5485	0.8431	0.1917	0.0836						
160	1.3064	0.8426	0.1536	0.0672						
165	1.0305	0.8422	0.1153	0.0506						
170	0.7207	0.8419	0.0769	0.0339						
175	0.3770	0.8418	0.0385	0.0170						
180	0.	0.8417	0.	0.						

SAMMA = 0.8000 ALPHA = 13.000 K = 1.400

DC = 2.3096 XR = 1.1041 BR = 1.390690 TR = 92.79 CR = 1.6196 QR = 0.1929E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9199	1.1204	0.2506	0.9199	1.1204	0.2506			
5	1.0998	0.9151	1.1005	0.2559	0.9249	1.1195	0.2449	2.0203	2.0536	8.9840
10	1.1853	0.9105	1.0798	0.2607	0.9301	1.1179	0.2388	1.7617	1.8178	3.1145
15	1.2898	0.9060	1.0583	0.2650	0.9355	1.1175	0.2324	1.6307	1.7063	1.6433
20	1.4144	0.9017	1.0361	0.2687	0.9410	1.1192	0.2257	1.5454	1.6385	1.0303
25	1.5577	0.8976	1.0131	0.2717	0.9468	1.2085	0.2189	1.4832	1.5923	0.7109
30	1.7176	0.8936	0.9893	0.2741	0.9529	1.2240	0.2120	1.4348	1.5586	0.5218
35	1.8922	0.8898	0.9647	0.2757	0.9592	1.2388	0.2050	1.3952	1.5328	0.4004
40	2.0797	0.8861	0.9394	0.2766	0.9658	1.2529	0.1981	1.3618	1.5123	0.3179
45	2.2786	0.8826	0.9133	0.2767	0.9726	1.2664	0.1914	1.3329	1.4957	0.2596
50	2.4878	0.8792	0.8865	0.2761	0.9799	1.2793	0.1850	1.3073	1.4817	0.2173
55	2.7073	0.8760	0.8590	0.2746	0.9875	1.2916	0.1791	1.2841	1.4699	0.1862
60	2.9380	0.8729	0.8307	0.2723	0.9957	1.3035	0.1739	1.2628	1.4595	0.1633
65	3.1833	0.8699	0.8018	0.2691	1.0044	1.3150	0.1697	1.2428	1.4502	0.1469
70	3.4514	0.8671	0.7722	0.2651	1.0139	1.3261	0.1672	1.2237	1.4417	0.1360
75	3.7602	0.8644	0.7419	0.2602	1.0245	1.3370	0.1673	1.2048	1.4336	0.1307
80	4.1546	0.8618	0.7110	0.2544	1.0366	1.3480	0.1726	1.1856	1.4256	0.1328
85	4.7758	0.8594	0.6794	0.2479	1.0513	1.3598	0.1906	1.1648	1.4171	0.1491
90	5.4939	0.8571	0.6473	0.2404	1.0722	1.3735	0.2671	1.1385	1.4062	0.2258
95	2.2300	0.8549	0.6146	0.2322						
100	2.3146	0.8529	0.5814	0.2232						
105	2.3809	0.8510	0.5476	0.2134						
110	2.4267	0.8492	0.5134	0.2028						
115	2.4499	0.8476	0.4787	0.1915						
120	2.4485	0.8460	0.4435	0.1796						
125	2.4206	0.8446	0.4080	0.1670						
130	2.3646	0.8434	0.3721	0.1538						
135	2.2788	0.8422	0.3359	0.1401						
140	2.1617	0.8412	0.2993	0.1258						
145	2.0123	0.8403	0.2625	0.1111						
150	1.8294	0.8393	0.2255	0.0960						
155	1.6122	0.8388	0.1882	0.0806						
160	1.3602	0.8383	0.1608	0.0648						
165	1.0729	0.8379	0.1132	0.0488						
170	0.7503	0.8376	0.0755	0.0326						
175	0.3926	0.8374	0.0378	0.0163						
180	0.	0.8373	0.	0.						

SAMMA = 0.8000 ALPHA = 13.000 K = 1.600

DC = 2.13460 XR = 1.0993 BR = 1.355545 TR = 78.55 CR = 1.3709 QR = 0.1238E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9217	1.1036	0.2442	0.9217	1.1036	0.2442			
5	1.1093	0.9164	1.0839	0.2491	0.9272	1.1225	0.2389	1.9660	1.9984	8.4605
10	1.2019	0.9113	1.0635	0.2536	0.9329	1.1407	0.2333	1.7157	1.7702	2.9410
15	1.3156	0.9064	1.0423	0.2578	0.9390	1.1582	0.2275	1.5883	1.6618	1.5574
20	1.4518	0.9018	1.0203	0.2610	0.9453	1.1750	0.2216	1.5052	1.5967	0.9814
25	1.6091	0.8973	0.9976	0.2639	0.9519	1.1911	0.2156	1.4442	1.5504	0.6816
30	1.7860	0.8930	0.9742	0.2661	0.9588	1.2066	0.2097	1.3964	1.5170	0.5046
35	1.9814	0.8889	0.9500	0.2676	0.9662	1.2215	0.2040	1.3570	1.4913	0.3914
40	2.1948	0.8849	0.9250	0.2684	0.9739	1.2358	0.1988	1.3234	1.4706	0.3152
45	2.4269	0.8811	0.8993	0.2685	0.9823	1.2496	0.1942	1.2939	1.4534	0.2624
50	2.6807	0.8775	0.8729	0.2678	0.9912	1.2629	0.1907	1.2673	1.4388	0.2253
55	2.9632	0.8740	0.8458	0.2663	1.0010	1.2760	0.1889	1.2427	1.4259	0.2000
60	3.2907	0.8707	0.8180	0.2641	1.0118	1.2889	0.1899	1.2193	1.4141	0.1846
65	3.7022	0.8676	0.7894	0.2610	1.0242	1.3018	0.1965	1.1962	1.4029	0.1797
70	4.3161	0.8646	0.7603	0.2570	1.0393	1.3155	0.2160	1.1719	1.3914	0.1916
75	5.1436	0.8617	0.7304	0.2523	1.0601	1.3315	0.2873	1.1432	1.3778	0.2579
80	1.9573	0.8590	0.7006	0.2467						
85	2.0881	0.8565	0.6689	0.2403						
90	2.2069	0.8540	0.6373	0.2331						
95	2.3112	0.8517	0.6051	0.2251						
100	2.3989	0.8496	0.5724	0.2164						
105	2.4675	0.8476	0.5391	0.2068						
110	2.5149	0.8457	0.5054	0.1966						
115	2.6389	0.8440	0.4713	0.1857						
120	2.5374	0.8424	0.4367	0.1741						
125	2.5084	0.8409	0.4017	0.1619						
130	2.4503	0.8396	0.3663	0.1491						
135	2.3613	0.8384	0.3307	0.1358						
140	2.2400	0.8373	0.2947	0.1220						
145	2.0851	0.8363	0.2584	0.1077						
150	1.8956	0.8355	0.2220	0.0931						
155	1.6705	0.8348	0.1853	0.0781						
160	1.4093	0.8342	0.1484	0.0628						
165	1.1117	0.8338	0.1114	0.0473						
170	0.7774	0.8335	0.0744	0.0316						
175	0.4067	0.8333	0.0372	0.0158						
180	0.	0.8332	0.	0.						

GAMMA = 0.8000 ALPHA = 13.000 K = 1.800

DC = 2.3781 XR = 1.0956 BR = 1.327362 YR = 68.30 CR = 1.1920 QR = 0.8901E 02

THEIA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9231	1.0897	0.2397	0.9231	1.0897	0.2397			
5	1.1184	0.9174	1.0702	0.2442	0.9292	1.1086	0.2350	1.9198	1.9513	8.0267
10	1.2186	0.9119	1.0499	0.2483	0.9355	1.1267	0.2300	1.6759	1.7291	2.7985
15	1.3424	0.9066	1.0289	0.2519	0.9422	1.1442	0.2250	1.5517	1.6234	1.4879
20	1.4914	0.9016	1.0072	0.2551	0.9492	1.1611	0.2200	1.4703	1.5587	0.9428
25	1.6650	0.8968	0.9847	0.2577	0.9567	1.1773	0.2152	1.4102	1.5140	0.6597
30	1.8627	0.8922	0.9615	0.2597	0.9646	1.1930	0.2108	1.3627	1.4808	0.4933
35	2.0851	0.8878	0.9376	0.2611	0.9732	1.2082	0.2072	1.3232	1.4548	0.3880
40	2.3352	0.8836	0.9129	0.2618	0.9824	1.2230	0.2047	1.2890	1.4336	0.3184
45	2.6202	0.8796	0.8875	0.2618	0.9925	1.2374	0.2041	1.2585	1.4156	0.2722
50	2.9567	0.8758	0.8614	0.2611	1.0038	1.2518	0.2068	1.2301	1.3997	0.2432
55	3.3858	0.8721	0.8346	0.2596	1.0168	1.2664	0.2160	1.2028	1.3850	0.2303
60	4.0327	0.8686	0.8071	0.2573	1.0327	1.2819	0.2408	1.1748	1.3703	0.2397
65	5.5775	0.8653	0.7790	0.2543	1.0552	1.3005	0.3314	1.1420	1.3531	0.3194
70	1.7247	0.8621	0.7502	0.2504						
75	1.8771	0.8591	0.7207	0.2457						
80	2.10220	0.8563	0.6907	0.2403						
85	2.1569	0.8536	0.6600	0.2340						
90	2.2794	0.8511	0.6288	0.2270						
95	2.3870	0.8487	0.5970	0.2192						
100	2.4774	0.8464	0.5647	0.2107						
105	2.5481	0.8444	0.5319	0.2014						
110	2.6069	0.8424	0.4986	0.1914						
115	2.6215	0.8406	0.4649	0.1808						
120	2.6198	0.8389	0.4308	0.1695						
125	2.5898	0.8374	0.3963	0.1576						
130	2.5297	0.8360	0.3614	0.1451						
135	2.4377	0.8347	0.3262	0.1321						
140	2.3124	0.8338	0.2907	0.1187						
145	2.1524	0.8326	0.2550	0.1048						
150	1.9567	0.8318	0.2190	0.0900						
155	1.7244	0.8310	0.1828	0.0760						
160	1.4548	0.8304	0.1464	0.0611						
165	1.1475	0.8300	0.1099	0.0460						
170	0.8025	0.8296	0.0733	0.0308						
175	0.4198	0.8294	0.0367	0.0154						
180	0.	0.8294	0.	0.						

GAMMA = 0.8000 ALPHA = 13.000 K = 2.000

DC = 2.4069 XR = 1.0928 BR = 1.304257 YR = 60.52 CR = 1.0562 QR = 0.6868E 02

THEIA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9244	1.0781	0.2367	0.9244	1.0781	0.2367			
5	1.1273	0.9182	1.0586	0.2406	0.9310	1.0970	0.2326	1.8793	1.9101	7.6603
10	1.2354	0.9123	1.0384	0.2443	0.9379	1.1151	0.2284	1.6417	1.6937	2.6788
15	1.3702	0.9067	1.0176	0.2476	0.9452	1.1327	0.2244	1.5139	1.5901	1.4306
20	1.5337	0.9013	0.9960	0.2504	0.9530	1.1497	0.2206	1.4397	1.5262	0.9122
25	1.7264	0.8962	0.9737	0.2528	0.9614	1.1662	0.2174	1.3801	1.4818	0.6439
30	1.9497	0.8914	0.9507	0.2546	0.9705	1.1823	0.2152	1.3326	1.4485	0.4873
35	2.2084	0.8867	0.9269	0.2558	0.9803	1.1980	0.2146	1.2926	1.4221	0.3899
40	2.5138	0.8823	0.9025	0.2564	0.9913	1.2136	0.2169	1.2573	1.4000	0.3283
45	2.8922	0.8781	0.8773	0.2563	1.0038	1.2293	0.2243	1.2250	1.3807	0.2923
50	3.4158	0.8740	0.8515	0.2555	1.0187	1.2457	0.2430	1.1936	1.3626	0.2809
55	4.13649	0.8702	0.8250	0.2540	1.0382	1.2641	0.2962	1.1602	1.3438	0.3131
60	1.4500	0.8665	0.7978	0.2517						
65	1.6151	0.8631	0.7699	0.2486						
70	1.7773	0.8598	0.7414	0.2448						
75	1.9341	0.8566	0.7123	0.2402						
80	2.0830	0.8537	0.6826	0.2348						
85	2.2217	0.8509	0.6523	0.2287						
90	2.3476	0.8482	0.6214	0.2218						
95	2.4582	0.8458	0.5900	0.2142						
100	2.5510	0.8434	0.5580	0.2058						
105	2.6236	0.8413	0.5256	0.1967						
110	2.6736	0.8392	0.4927	0.1869						
115	2.6987	0.8374	0.4594	0.1765						
120	2.6988	0.8356	0.4257	0.1655						
125	2.6658	0.8340	0.3916	0.1539						
130	2.6037	0.8326	0.3571	0.1417						
135	2.5090	0.8313	0.3223	0.1290						
140	2.3799	0.8301	0.2873	0.1159						
145	2.2152	0.8291	0.2519	0.1023						
150	2.0137	0.8282	0.2164	0.0884						
155	1.7745	0.8275	0.1806	0.0742						
160	1.4971	0.8269	0.1447	0.0597						
165	1.1808	0.8264	0.1086	0.0449						
170	0.8258	0.8260	0.0725	0.0301						
175	0.4320	0.8258	0.0363	0.0151						
180	0.	0.8258	0.	0.						

GAMMA = 0.8000 ALPHA = 13.000 K = 2.280

DC = 2.4330	NR = 1.0906	BR = 1.284967	TR = 54.38	CR = 0.9492	QR = 0.5556E 02					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9255	1.0682	0.12348	0.9255	1.0682	0.2348			
5	1.1360	0.9189	1.0487	0.12382	0.9326	1.0871	0.2314	1.8437	1.8739	7.3453
10	1.2527	0.9126	1.0286	0.12413	0.9401	1.1054	0.2282	1.6108	1.6617	2.5773
15	1.3992	0.9066	1.0078	0.12442	0.9481	1.1231	0.2253	1.4915	1.5603	1.3830
20	1.5790	0.9010	0.9863	0.12468	0.9567	1.1404	0.2231	1.4122	1.4972	0.8880
25	1.7941	0.8956	0.9641	0.12488	0.9661	1.1573	0.2220	1.3529	1.4529	0.6331
30	2.0500	0.8905	0.9412	0.12504	0.9764	1.1740	0.2230	1.3051	1.4193	0.4862
35	2.3597	0.8856	0.9177	0.12514	0.9879	1.1905	0.2273	1.2642	1.3921	0.3978
40	2.7553	0.8809	0.8934	0.12519	1.0012	1.2074	0.2382	1.2273	1.3687	0.3476
45	3.3286	0.8765	0.8685	0.12516	1.0173	1.2239	0.2643	1.1919	1.3471	0.3322
50	4.4935	0.8723	0.8428	0.12508	1.0392	1.2462	0.3439	1.1538	1.3243	0.3029
55	1.3213	0.8683	0.8165	0.12492						
60	1.4915	0.8645	0.7896	0.12468						
65	1.6610	0.8609	0.7620	0.12438						
70	1.8273	0.8575	0.7337	0.12400						
75	1.9882	0.8542	0.7049	0.12354						
80	2.1409	0.8512	0.6755	0.12301						
85	2.2831	0.8483	0.6454	0.12241						
90	2.4121	0.8455	0.6149	0.12173						
95	2.5254	0.8430	0.5838	0.12098						
100	2.6204	0.8406	0.5522	0.12015						
105	2.6947	0.8383	0.5201	0.11922						
110	2.7458	0.8362	0.4875	0.11831						
115	2.7714	0.8343	0.4546	0.11726						
120	2.7692	0.8325	0.4212	0.11620						
125	2.7372	0.8309	0.3874	0.11506						
130	2.6733	0.8294	0.3533	0.11387						
135	2.5759	0.8280	0.3189	0.11263						
140	2.4433	0.8268	0.2842	0.11134						
145	2.2741	0.8258	0.2492	0.11002						
150	2.0672	0.8249	0.2140	0.10865						
155	1.8216	0.8241	0.1787	0.10726						
160	1.5367	0.8235	0.1431	0.10584						
165	1.2121	0.8230	0.1075	0.10440						
170	0.8476	0.8226	0.0717	0.10294						
175	0.4435	0.8224	0.0359	0.10147						
180	0.	0.8223	0.	0.						

GAMMA = 0.8000 ALPHA = 13.000 K = 2.600

DC = 2.4789	NR = 1.0872	BR = 1.254584	TR = 45.30	CR = 0.7906	QR = 0.3986E 02					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9274	1.0522	0.2335	0.9274	1.0522	0.2335			
5	1.1530	0.9199	1.0326	0.12355	0.9354	1.0713	0.2319	1.7831	1.8122	6.8293
10	1.2881	0.9129	1.0124	0.12376	0.9441	1.0900	0.2309	1.5587	1.6079	2.4134
15	1.4616	0.9062	0.9916	0.12396	0.9535	1.1083	0.2311	1.4426	1.5091	1.3093
20	1.6805	0.9000	0.9702	0.12414	0.9639	1.1265	0.2332	1.3646	1.4469	0.8546
25	1.9549	0.8941	0.9482	0.12429	0.9755	1.1446	0.2389	1.3050	1.4023	0.6247
30	2.3103	0.8885	0.9255	0.12440	0.9889	1.1630	0.2510	1.2557	1.3673	0.4998
35	2.8172	0.8832	0.9022	0.12446	1.0051	1.1828	0.2777	1.2114	1.3372	0.4403
40	3.7581	0.8782	0.8782	0.12447	1.0267	1.2030	0.3502	1.1672	1.3083	0.4562
45	1.0419	0.8734	0.8535	0.12442						
50	1.2149	0.8689	0.8282	0.12431						
55	1.3915	0.8646	0.8023	0.12414						
60	1.5697	0.8606	0.7757	0.12390						
65	1.7470	0.8567	0.7485	0.12359						
70	1.9210	0.8531	0.7207	0.12321						
75	2.0890	0.8496	0.6923	0.12276						
80	2.2486	0.8464	0.6634	0.12228						
85	2.3971	0.8433	0.6339	0.12184						
90	2.5317	0.8404	0.6038	0.12098						
95	2.6498	0.8377	0.5732	0.12025						
100	2.7488	0.8351	0.5422	0.11945						
105	2.8261	0.8328	0.5106	0.11858						
110	2.8791	0.8306	0.4786	0.11766						
115	2.9054	0.8285	0.4462	0.11667						
120	2.9026	0.8267	0.4135	0.11562						
125	2.8686	0.8249	0.3803	0.11452						
130	2.8013	0.8234	0.3468	0.11337						
135	2.6989	0.8220	0.3130	0.11217						
140	2.5597	0.8207	0.2790	0.11093						
145	2.3822	0.8196	0.2446	0.10965						
150	2.1653	0.8186	0.2101	0.10834						
155	1.9079	0.8178	0.1754	0.10700						
160	1.6095	0.8172	0.1405	0.10563						
165	1.2694	0.8167	0.1055	0.10424						
170	0.8877	0.8163	0.0704	0.10283						
175	0.4644	0.8161	0.0352	0.10142						
180	0.	0.8160	0.	0.						

GAMMA = 1.8000

ALPHA = 13.000

K = 3.000

DC = 2.5184 XR = 1.0847 BR = 1.231732 TR = 38.86 CR = 0.6783 QR = 0.3192E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
1	1.0000	0.9289	1.0398	0.2346	0.9289	1.0398	0.2346			
5	1.1699	0.9205	1.0199	0.2350	0.9379	1.0593	0.2351	1.7331	1.7613	6.4219
10	1.3254	0.9128	0.9996	0.2359	0.9477	1.0786	0.2370	1.5153	1.5630	2.2877
15	1.5317	0.9056	0.9787	0.2369	0.9587	1.0978	0.2415	1.4014	1.4661	1.2571
20	1.8014	0.8988	0.9573	0.2379	0.9711	1.1171	0.2504	1.3237	1.4041	0.8375
25	2.1658	0.8925	0.9353	0.2388	0.9856	1.1371	0.2682	1.2630	1.3583	0.6343
30	2.7214	0.8865	0.9128	0.2393	1.0036	1.1587	0.3071	1.2103	1.3204	0.5444
35	3.9319	0.8808	0.8896	0.2395	1.0290	1.1851	0.4274	1.1577	1.2837	0.5838
40	0.9190	0.8755	0.8658	0.2393						
45	1.0931	0.8704	0.8413	0.2385						
50	1.2732	0.8656	0.8163	0.2372						
55	1.4570	0.8611	0.7906	0.2353						
60	1.6423	0.8568	0.7644	0.2328						
65	1.8266	0.8527	0.7375	0.2296						
70	2.0074	0.8489	0.7100	0.2258						
75	2.1819	0.8453	0.6820	0.2213						
80	2.3475	0.8419	0.6534	0.2161						
85	2.5015	0.8386	0.6243	0.2103						
90	2.6411	0.8356	0.5946	0.2037						
95	2.7635	0.8328	0.5645	0.1966						
100	2.8659	0.8301	0.5339	0.1888						
105	2.9457	0.8277	0.5028	0.1803						
110	3.0003	0.8254	0.4713	0.1713						
115	3.0271	0.8233	0.4394	0.1617						
120	3.0236	0.8213	0.4071	0.1515						
125	2.9877	0.8195	0.3744	0.1408						
130	2.9172	0.8179	0.3414	0.1296						
135	2.8102	0.8164	0.3081	0.1183						
140	2.6649	0.8151	0.2746	0.1060						
145	2.4799	0.8140	0.2408	0.0936						
150	2.2539	0.8130	0.2068	0.0808						
155	1.9859	0.8121	0.1726	0.0678						
160	1.6751	0.8115	0.1382	0.0545						
165	1.3212	0.8109	0.1035	0.0411						
170	0.9239	0.8106	0.0693	0.0275						
175	0.4833	0.8103	0.0346	0.0138						
180	.	0.8103	.	0.						

GAMMA=0.8000

ALPHA=13.000

K = 4.000

DC = 2.5990 XR = 1.08091 BR = 1.19350
TR = 26.7419 CR = 0.50164 QR = 19.68436

THETA	ST	X1	B1	S1
1	1.0000	0.9315	1.0184	0.2434
5	1.2122	0.9212	0.9975	0.2389
10	1.4287	0.9119	0.9765	0.2363
15	1.7439	0.9034	0.9552	0.2347
20	2.2449	0.8955	0.9336	0.2336
25	3.3685	0.8881	0.9115	0.2328
30	4.6685	0.8813	0.8890	0.2321
35	6.8393	0.8749	0.8660	0.2312
40	10.224	0.8688	0.8424	0.2301
45	1.2009	0.8632	0.8183	0.2286
50	1.4054	0.8579	0.7937	0.2267
55	1.6047	0.8528	0.7684	0.2244
60	1.8052	0.8481	0.7427	0.2216
65	2.0044	0.8436	0.7164	0.2182
70	2.1995	0.8394	0.6895	0.2142
75	2.3876	0.8355	0.6622	0.2097
80	2.5659	0.8318	0.6343	0.2045
85	2.7314	0.8283	0.6059	0.1988
90	2.8812	0.8250	0.5770	0.1925
95	3.0123	0.8219	0.5477	0.1856
100	3.1217	0.8191	0.5179	0.1781
105	3.2066	0.8164	0.4877	0.1700
110	3.2641	0.8140	0.4570	0.1614
115	3.2915	0.8117	0.4260	0.1522
120	3.2862	0.8096	0.3947	0.1426
125	3.2459	0.8077	0.3631	0.1325
130	3.1681	0.8059	0.3311	0.1219
135	3.0509	0.8043	0.2987	0.1109
140	2.8924	0.8030	0.2662	0.0996
145	2.6909	0.8017	0.2334	0.0879
150	2.4452	0.8007	0.2004	0.0759
155	2.1547	0.7998	0.1673	0.0637
160	1.8167	0.7990	0.1340	0.0512
165	1.4327	0.7985	0.1006	0.0386
170	1.0017	0.7981	0.0671	0.0258
175	0.5240	0.7978	0.0336	0.0129
180	.	0.7978	.	0.

GAMMA=0.8000

ALPHA=13.000

K = 5.000

DC = 2.6627 XR = 1.07851 BR = 1.16987
TR = 22.8314 CR = 0.39848 QR = 14.4256

THETA	ST	X1	B1	S1
1	1.0000	0.9332	1.0046	0.2509
5	1.2559	0.9212	0.9826	0.2466
10	1.5521	0.9104	0.9607	0.2400
15	2.0054	0.9007	0.9389	0.2350
20	3.3754	0.8919	0.9169	0.2324
25	4.5636	0.8837	0.8946	0.2301
30	6.7344	0.8762	0.8722	0.2280
35	9.9179	0.8692	0.8498	0.2262
40	1.1116	0.8626	0.8255	0.2242
45	1.3142	0.8565	0.8015	0.2221
50	1.5227	0.8508	0.7771	0.2197
55	1.7348	0.8454	0.7522	0.2173
60	1.9480	0.8403	0.7258	0.2138
65	2.1594	0.8356	0.7008	0.2102
70	2.3661	0.8311	0.6744	0.2061
75	2.5653	0.8269	0.6475	0.2015
80	2.7539	0.8230	0.6201	0.1964
85	2.9287	0.8193	0.5922	0.1907
90	3.0867	0.8158	0.5639	0.1844
95	3.2247	0.8125	0.5352	0.1777
100	3.3395	0.8096	0.5060	0.1704
105	3.4292	0.8068	0.4764	0.1626
110	3.4878	0.8042	0.4464	0.1542
115	3.5154	0.8018	0.4161	0.1454
120	3.5082	0.7996	0.3854	0.1362
125	3.4638	0.7976	0.3544	0.1265
130	3.3796	0.7958	0.3232	0.1163
135	3.2536	0.7941	0.2916	0.1058
140	3.0837	0.7927	0.2598	0.0950
145	2.8663	0.7914	0.2278	0.0836
150	2.6058	0.7903	0.1956	0.0724
155	2.2952	0.7894	0.1633	0.0607
160	1.9355	0.7886	0.1308	0.0488
165	1.5262	0.7880	0.0982	0.0367
170	1.0671	0.7876	0.0655	0.0246
175	0.5562	0.7873	0.0328	0.0123
180	.	0.7873	.	0.

GAMMA=0.8000 ALPHA=13.000 K= 6.00

CC= 2.7159 XR= 1.7668 BR= 1.15381
TR=16.9465 CR= 1.35769 QR=11.34637

THETA	ST	X1	B1	S1
5	1.0000	0.9345	0.9951	0.2730
10	1.2254	0.9206	0.9717	0.2558
15	1.4575	0.9086	0.9490	0.2450
20	1.6938	0.8979	0.9265	0.2378
25	1.9446	0.8883	0.9041	0.2326
30	2.2128	0.8794	0.8816	0.2287
35	2.4956	0.8713	0.8588	0.2255
40	2.7912	0.8639	0.8357	0.2227
45	3.0994	0.8569	0.8123	0.2201
50	3.4200	0.8504	0.7884	0.2174
55	3.7528	0.8443	0.7641	0.2145
60	4.0975	0.8387	0.7394	0.2114
65	4.4538	0.8334	0.7142	0.2080
70	4.8212	0.8284	0.6886	0.2042
75	5.1994	0.8237	0.6625	0.1999
80	5.5881	0.8193	0.6359	0.1952
85	5.9871	0.8152	0.6089	0.1901
90	6.3961	0.8114	0.5814	0.1844
95	6.8148	0.8078	0.5535	0.1782
100	7.2430	0.8044	0.5252	0.1716
105	7.6804	0.8013	0.4965	0.1644
110	8.1268	0.7984	0.4674	0.1568
115	8.5820	0.7957	0.4380	0.1487
120	9.0458	0.7932	0.4082	0.1401
125	9.5180	0.7908	0.3781	0.1312
130	9.9984	0.7889	0.3476	0.1218
135	10.4868	0.7870	0.3169	0.1120
140	10.9820	0.7853	0.2860	0.1018
145	11.4838	0.7838	0.2548	0.0914
150	11.9910	0.7825	0.2234	0.0806
155	12.5034	0.7813	0.1918	0.0696
160	13.0208	0.7804	0.1601	0.0583
165	13.5430	0.7796	0.1282	0.0469
170	14.0698	0.7790	0.0963	0.0353
175	14.6010	0.7785	0.0642	0.0236
180	15.1364	0.7783	0.0321	0.0118
185	15.6750	0.7782	0.0000	0.0000

GAMMA=0.8000 ALPHA=13.000 K= 8.00

CC= 2.8023 XR= 1.67509 BR= 1.13337
TR=14.1446 CR= 1.24687 QR= 7.96557

THETA	ST	X1	B1	S1
5	1.0000	0.9361	0.9827	0.3192
10	1.4050	0.9190	0.9565	0.2758
15	2.1655	0.9046	0.9320	0.2561
20	3.3504	0.8922	0.9083	0.2433
25	4.9197	0.8813	0.8851	0.2343
30	6.9057	0.8714	0.8620	0.2277
35	9.3666	0.8624	0.8390	0.2225
40	1.2001	0.8542	0.8157	0.2182
45	1.3442	0.8466	0.7922	0.2143
50	1.5767	0.8395	0.7685	0.2107
55	1.8151	0.8330	0.7444	0.2071
60	2.0566	0.8269	0.7199	0.2034
65	2.2984	0.8212	0.6951	0.1995
70	2.5375	0.8159	0.6698	0.1953
75	2.7707	0.8109	0.6442	0.1908
80	2.9946	0.8063	0.6181	0.1860
85	3.2060	0.8019	0.5917	0.1807
90	3.4013	0.7979	0.5648	0.1751
95	3.5770	0.7941	0.5376	0.1693
100	3.7297	0.7905	0.5103	0.1625
105	3.8559	0.7872	0.4820	0.1555
110	3.9523	0.7842	0.4537	0.1482
115	4.0154	0.7814	0.4250	0.1404
120	4.0422	0.7788	0.3960	0.1322
125	4.0295	0.7764	0.3667	0.1236
130	3.9746	0.7742	0.3372	0.1147
135	3.8746	0.7722	0.3074	0.1054
140	3.7273	0.7705	0.2773	0.0951
145	3.5303	0.7689	0.2470	0.0866
150	3.2817	0.7675	0.2166	0.0758
155	2.9799	0.7663	0.1860	0.0654
160	2.6236	0.7653	0.1552	0.0548
165	2.2117	0.7645	0.1243	0.0441
170	1.7435	0.7639	0.0933	0.0332
175	1.2188	0.7634	0.0622	0.0222
180	0.6375	0.7631	0.0311	0.0111
185	0.0000	0.7631	0.0000	0.0000

GAMMA=0.8000 ALPHA=13.000 K= 10.00

CC= 2.8718 XR= 1.67396 BR= 1.12091
TR=11.2878 CR= 0.19771 QR= 6.13662

THETA	ST	X1	B1	S1
5	1.0000	0.9372	0.9749	0.3482
10	1.5263	0.9169	0.9459	0.2956
15	2.4307	0.9006	0.9198	0.2668
20	3.4006	0.8868	0.8950	0.2488
25	4.5864	0.8747	0.8711	0.2365
30	5.9886	0.8640	0.8475	0.2276
35	7.6034	0.8544	0.8241	0.2207
40	9.4347	0.8456	0.8007	0.2151
45	1.4746	0.8376	0.7772	0.2103
50	1.7227	0.8301	0.7535	0.2059
55	1.9765	0.8232	0.7295	0.2017
60	2.2330	0.8168	0.7052	0.1975
65	2.4895	0.8109	0.6806	0.1932
70	2.7426	0.8053	0.6557	0.1888
75	2.9891	0.8001	0.6304	0.1841
80	3.2254	0.7953	0.6047	0.1792
85	3.4481	0.7908	0.5787	0.1738
90	3.6534	0.7866	0.5523	0.1682
95	3.8378	0.7826	0.5255	0.1622
100	3.9976	0.7790	0.4984	0.1558
105	4.1291	0.7756	0.4710	0.1490
110	4.2288	0.7724	0.4432	0.1418
115	4.2932	0.7695	0.4151	0.1343
120	4.3190	0.7668	0.3868	0.1263
125	4.3029	0.7644	0.3581	0.1181
130	4.2427	0.7621	0.3292	0.1095
135	4.1334	0.7601	0.3001	0.1006
140	3.9745	0.7583	0.2707	0.0914
145	3.7631	0.7567	0.2411	0.0820
150	3.4977	0.7553	0.2114	0.0723
155	3.1746	0.7540	0.1815	0.0623
160	2.7944	0.7530	0.1515	0.0522
165	2.3552	0.7522	0.1213	0.0420
170	1.8564	0.7515	0.0911	0.0316
175	1.2976	0.7510	0.0607	0.0211
180	0.6786	0.7508	0.0304	0.0106
185	0.0000	0.7507	0.0000	0.0000

GAMMA=0.8000 ALPHA=13.000 K= 20.00

CC= 3.1759 XR= 1.07170 BR= 1.09551
TR= 4.6201 CR= 0.05864 QR= 2.85665

THETA	ST	X1	B1	S1
5	1.0000	0.9393	0.9587	0.5539
10	0.1656	0.9056	0.9170	0.3778
15	0.3800	0.8822	0.8842	0.3065
20	0.6176	0.8639	0.8555	0.2681
25	0.8559	0.8487	0.8291	0.2441
30	1.1155	0.8355	0.8039	0.2276
35	1.3884	0.8240	0.7795	0.2155
40	1.6731	0.8137	0.7556	0.2061
45	1.9676	0.8044	0.7319	0.1984
50	2.2696	0.7959	0.7082	0.1916
55	2.5761	0.7881	0.6846	0.1859
60	2.8839	0.7810	0.6608	0.1804
65	3.1898	0.7743	0.6369	0.1751
70	3.4900	0.7682	0.6128	0.1699
75	3.7806	0.7625	0.5885	0.1647
80	4.0578	0.7572	0.5640	0.1594
85	4.3173	0.7523	0.5392	0.1539
90	4.5550	0.7477	0.5142	0.1483
95	4.7666	0.7434	0.4889	0.1424
100	4.9481	0.7395	0.4633	0.1363
105	5.0951	0.7358	0.4375	0.1300
110	5.2036	0.7324	0.4115	0.1234
115	5.2656	0.7293	0.3852	0.1165
120	5.2892	0.7264	0.3587	0.1094
125	5.2588	0.7238	0.3320	0.1021
130	5.1749	0.7214	0.3051	0.0945
135	5.0342	0.7192	0.2780	0.0866
140	4.8338	0.7173	0.2507	0.0786
145	4.5709	0.7155	0.2232	0.0704
150	4.2430	0.7140	0.1956	0.0620
155	3.8482	0.7127	0.1679	0.0534
160	3.3846	0.7116	0.1401	0.0447
165	2.8509	0.7107	0.1122	0.0359
170	2.2460	0.7100	0.0842	0.0270
175	1.5693	0.7095	0.0562	0.0181
180	0.8206	0.7092	0.0281	0.0090
185	0.0000	0.7091	0.0000	0.0000

GAMMA = 0.8000 ALPHA = 14.000 K = 0.200

DC = 1.7712 XO = 1.6131 BO = 2.083016 V2 = -0.4031E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9008	1.4919	0.4775	0.9008	1.4919	0.4960			
5	1.0243	0.8997	1.4635	0.4836	0.9018	1.5194	0.4891	3.0201	3.0720	21.8166
10	1.0670	0.8986	1.4342	0.4888	0.9029	1.5459	0.4816	2.6040	2.6907	7.4233
15	1.1267	0.8976	1.4040	0.4931	0.9040	1.5716	0.4734	2.3952	2.5115	3.8580
20	1.2011	0.8965	1.3729	0.4964	0.9051	1.5964	0.4647	2.2617	2.4041	2.3795
25	1.2883	0.8955	1.3409	0.4986	0.9061	1.6203	0.4556	2.1659	2.3319	1.6096
30	1.3864	0.8945	1.3080	0.4997	0.9072	1.6434	0.4460	2.0926	2.2803	1.1531
35	1.4939	0.8935	1.2743	0.4998	0.9082	1.6655	0.4361	2.0343	2.2419	0.8588
40	1.6091	0.8925	1.2396	0.4986	0.9093	1.6869	0.4259	1.9865	2.2124	0.6577
45	1.7304	0.8915	1.2041	0.4962	0.9103	1.7073	0.4155	1.9464	2.1893	0.5142
50	1.8563	0.8905	1.1677	0.4926	0.9113	1.7270	0.4050	1.9123	2.1710	0.4085
55	1.9851	0.8896	1.1304	0.4877	0.9123	1.7459	0.3943	1.8828	2.1562	0.3286
60	2.1152	0.8887	1.0924	0.4815	0.9133	1.7639	0.3836	1.8571	2.1442	0.2671
65	2.2451	0.8878	1.0535	0.4740	0.9142	1.7812	0.3730	1.8345	2.1343	0.2188
70	2.3732	0.8869	1.0139	0.4652	0.9152	1.7978	0.3624	1.8146	2.1262	0.1805
75	2.4979	0.8861	0.9735	0.4551	0.9161	1.8136	0.3519	1.7968	2.1194	0.1497
80	2.6177	0.8853	0.9323	0.4436	0.9170	1.8287	0.3416	1.7809	2.1138	0.1248
85	2.7310	0.8845	0.8904	0.4309	0.9179	1.8431	0.3316	1.7666	2.1091	0.1044
90	2.8365	0.8838	0.8478	0.4169	0.9187	1.8568	0.3218	1.7537	2.1051	0.0877
95	2.9326	0.8830	0.8046	0.4017	0.9195	1.8699	0.3123	1.7420	2.1018	0.0739
100	3.0182	0.8824	0.7607	0.3852	0.9204	1.8823	0.3032	1.7314	2.0990	0.0624
105	3.0918	0.8817	0.7162	0.3675	0.9211	1.8941	0.2944	1.7218	2.0966	0.0529
110	3.1525	0.8811	0.6712	0.3487	0.9219	1.9053	0.2861	1.7131	2.0946	0.0449
115	3.1990	0.8806	0.6256	0.3288	0.9226	1.9160	0.2782	1.7051	2.0929	0.0383
120	3.2305	0.8800	0.5795	0.3078	0.9233	1.9261	0.2708	1.6978	2.0914	0.0327
125	3.2461	0.8795	0.5329	0.2858	0.9240	1.9357	0.2639	1.6911	2.0902	0.0280
130	3.2452	0.8791	0.4859	0.2630	0.9246	1.9447	0.2576	1.6850	2.0891	0.0241
135	3.2272	0.8787	0.4384	0.2392	0.9253	1.9533	0.2517	1.6794	2.0882	0.0209
140	3.1917	0.8783	0.3906	0.2147	0.9259	1.9616	0.2465	1.6743	2.0875	0.0182
145	3.1385	0.8780	0.3425	0.1894	0.9264	1.9690	0.2418	1.6695	2.0869	0.0159
150	3.0675	0.8777	0.2941	0.1636	0.9270	1.9763	0.2377	1.6652	2.0863	0.0141
155	2.9789	0.8775	0.2455	0.1371	0.9275	1.9831	0.2342	1.6612	2.0858	0.0126
160	2.8729	0.8773	0.1966	0.1103	0.9280	1.9895	0.2314	1.6575	2.0854	0.0115
165	2.7501	0.8771	0.1476	0.0830	0.9285	1.9956	0.2291	1.6541	2.0851	0.0106
170	2.6112	0.8770	0.0985	0.0555	0.9290	2.0013	0.2276	1.6510	2.0848	0.0100
175	2.4571	0.8769	0.0493	0.0278	0.9294	2.0066	0.2266	1.6481	2.0845	0.0096
180	2.2890	0.8769	0.	0.	0.9298	2.0116	0.2263	1.6455	2.0843	0.0095

GAMMA = 0.8000 ALPHA = 14.000 K = 0.400

DC = 1.9554 XO = 1.4086 BO = 1.814764 V2 = -0.4887E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9077	1.3340	0.3675	0.9077	1.3340	0.3809			
5	1.0436	0.9059	1.3095	0.3737	0.9095	1.3575	0.3740	2.5978	2.6418	15.6706
10	1.0973	0.9041	1.2842	0.3792	0.9113	1.3803	0.3666	2.2494	2.3231	5.3579
15	1.1672	0.9024	1.2580	0.3839	0.9131	1.4022	0.3589	2.0743	2.1733	2.7913
20	1.2521	0.9007	1.2309	0.3879	0.9149	1.4233	0.3507	1.9622	2.0836	1.7238
25	1.3502	0.8990	1.2030	0.3910	0.9167	1.4435	0.3422	1.8816	2.0233	1.1669
30	1.4600	0.8974	1.1742	0.3931	0.9185	1.4630	0.3334	1.8200	1.9802	0.8363
35	1.5796	0.8957	1.1445	0.3944	0.9204	1.4816	0.3244	1.7709	1.9481	0.6230
40	1.7074	0.8941	1.1140	0.3946	0.9222	1.4994	0.3153	1.7305	1.9235	0.4772
45	1.8417	0.8926	1.0827	0.3939	0.9240	1.5165	0.3060	1.6967	1.9042	0.3733
50	1.9807	0.8911	1.0506	0.3920	0.9258	1.5328	0.2967	1.6679	1.8889	0.2967
55	2.1227	0.8896	1.0176	0.3891	0.9276	1.5484	0.2874	1.6429	1.8765	0.2388
60	2.2657	0.8882	0.9838	0.3851	0.9293	1.5632	0.2782	1.6212	1.8665	0.1942
65	2.4082	0.8868	0.9493	0.3800	0.9311	1.5774	0.2690	1.6020	1.8582	0.1593
70	2.5482	0.8855	0.9140	0.3737	0.9328	1.5909	0.2600	1.5851	1.8514	0.1315
75	2.6839	0.8842	0.8779	0.3664	0.9345	1.6037	0.2512	1.5699	1.8458	0.1093
80	2.8137	0.8829	0.8411	0.3578	0.9362	1.6159	0.2426	1.5563	1.8411	0.0912
85	2.9359	0.8817	0.8037	0.3482	0.9378	1.6274	0.2343	1.5441	1.8371	0.0765
90	3.0487	0.8806	0.7655	0.3375	0.9394	1.6384	0.2262	1.5331	1.8338	0.0644
95	3.1505	0.8795	0.7267	0.3256	0.9410	1.6488	0.2185	1.5231	1.8310	0.0544
100	3.2398	0.8785	0.6873	0.3127	0.9426	1.6587	0.2111	1.5140	1.8286	0.0461
105	3.3151	0.8775	0.6473	0.2988	0.9441	1.6681	0.2040	1.5057	1.8266	0.0392
110	3.3751	0.8766	0.6068	0.2838	0.9455	1.6769	0.1974	1.4982	1.8249	0.0334
115	3.4185	0.8758	0.5657	0.2679	0.9470	1.6853	0.1911	1.4913	1.8234	0.0285
120	3.4442	0.8750	0.5241	0.2511	0.9484	1.6932	0.1853	1.4849	1.8222	0.0245
125	3.4511	0.8743	0.4821	0.2334	0.9497	1.7006	0.1799	1.4791	1.8211	0.0211
130	3.4384	0.8736	0.4397	0.2149	0.9510	1.7077	0.1749	1.4738	1.8202	0.0182
135	3.4055	0.8730	0.3968	0.1956	0.9523	1.7143	0.1704	1.4689	1.8194	0.0158
140	3.3517	0.8724	0.3536	0.1757	0.9535	1.7206	0.1664	1.4644	1.8188	0.0138
145	3.2767	0.8719	0.3101	0.1551	0.9547	1.7265	0.1628	1.4602	1.8182	0.0122
150	3.1805	0.8715	0.2663	0.1340	0.9559	1.7320	0.1597	1.4564	1.8177	0.0109
155	3.0630	0.8712	0.2223	0.1124	0.9570	1.7372	0.1570	1.4528	1.8173	0.0098
160	2.9246	0.8709	0.1781	0.0904	0.9580	1.7422	0.1548	1.4496	1.8169	0.0089
165	2.7658	0.8707	0.1337	0.0681	0.9590	1.7468	0.1532	1.4466	1.8166	0.0083
170	2.5873	0.8705	0.0892	0.0455	0.9600	1.7511	0.1520	1.4438	1.8164	0.0078
175	2.3901	0.8704	0.0446	0.0228	0.9610	1.7552	0.1512	1.4412	1.8162	0.0076
180	2.1756	0.8704	0.	0.	0.9619	1.7591	0.1510	1.4388	1.8160	0.0075

GAMMA = 0.8000 ALPHA = 14.000 K = 0.600

DC = 2.0629 XO = 1.2843 BO = 1.672734 V2 = -0.4521E 01

THETA	SY	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9125	1.2551	0.3173	0.9125	1.2551	0.3288			
5	1.0587	0.9101	1.2326	0.3236	0.9149	1.2767	0.3220	2.3832	2.4233	12.9542
10	1.1204	0.9077	1.2093	0.3292	0.9174	1.2975	0.3147	2.0687	2.1359	4.4444
15	1.1977	0.9054	1.1851	0.3342	0.9199	1.3175	0.3069	1.9105	2.0008	2.3198
20	1.2904	0.9031	1.1600	0.3385	0.9224	1.3366	0.2989	1.8090	1.9198	1.4347
25	1.3969	0.9009	1.1341	0.3420	0.9249	1.3550	0.2905	1.7360	1.8653	0.9725
30	1.5156	0.8987	1.1074	0.3446	0.9275	1.3725	0.2820	1.6800	1.8263	0.6981
35	1.6446	0.8966	1.0798	0.3464	0.9301	1.3893	0.2732	1.6353	1.7972	0.5211
40	1.7821	0.8945	1.0514	0.3473	0.9326	1.4053	0.2644	1.5985	1.7749	0.4001
45	1.9262	0.8925	1.0222	0.3473	0.9352	1.4205	0.2554	1.5676	1.7574	0.3138
50	2.0750	0.8906	0.9921	0.3462	0.9378	1.4350	0.2465	1.5412	1.7434	0.2502
55	2.2264	0.8887	0.9613	0.3442	0.9404	1.4488	0.2376	1.5183	1.7321	0.2022
60	2.3785	0.8868	0.9296	0.3412	0.9430	1.4619	0.2287	1.4982	1.7229	0.1651
65	2.5294	0.8851	0.8972	0.3371	0.9456	1.4743	0.2200	1.4805	1.7153	0.1361
70	2.6771	0.8834	0.8641	0.3319	0.9482	1.4861	0.2115	1.4647	1.7090	0.1130
75	2.8195	0.8817	0.8302	0.3258	0.9508	1.4973	0.2032	1.4506	1.7037	0.0945
80	2.9548	0.8802	0.7956	0.3186	0.9533	1.5079	0.1951	1.4378	1.6992	0.0794
85	3.0811	0.8787	0.7603	0.3103	0.9558	1.5178	0.1873	1.4263	1.6955	0.0671
90	3.1962	0.8772	0.7244	0.3010	0.9583	1.5273	0.1797	1.4159	1.6923	0.0570
95	3.2991	0.8759	0.6878	0.2907	0.9608	1.5362	0.1725	1.4064	1.6896	0.0486
100	3.3878	0.8746	0.6506	0.2794	0.9632	1.5445	0.1656	1.3977	1.6873	0.0415
105	3.4604	0.8734	0.6129	0.2671	0.9656	1.5524	0.1591	1.3897	1.6854	0.0357
110	3.5160	0.8723	0.5746	0.2539	0.9680	1.5599	0.1530	1.3823	1.6837	0.0308
115	3.5527	0.8712	0.5358	0.2398	0.9703	1.5669	0.1473	1.3756	1.6822	0.0266
120	3.5695	0.8702	0.4964	0.2249	0.9726	1.5734	0.1419	1.3694	1.6810	0.0231
125	3.5652	0.8693	0.4567	0.2092	0.9749	1.5796	0.1370	1.3636	1.6799	0.0202
130	3.5389	0.8685	0.4165	0.1927	0.9771	1.5854	0.1325	1.3583	1.6790	0.0177
135	3.4898	0.8677	0.3760	0.1755	0.9792	1.5909	0.1284	1.3534	1.6782	0.0156
140	3.4173	0.8671	0.3351	0.1576	0.9813	1.5960	0.1247	1.3488	1.6775	0.0139
145	3.3212	0.8665	0.2939	0.1392	0.9834	1.6008	0.1215	1.3446	1.6769	0.0124
150	3.2013	0.8659	0.2524	0.1203	0.9854	1.6053	0.1187	1.3406	1.6763	0.0113
155	3.0577	0.8655	0.2107	0.1009	0.9874	1.6095	0.1163	1.3370	1.6759	0.0103
160	2.8906	0.8652	0.1688	0.0812	0.9893	1.6134	0.1144	1.3335	1.6755	0.0095
165	2.7006	0.8649	0.1267	0.0612	0.9911	1.6171	0.1129	1.3304	1.6751	0.0090
170	2.4887	0.8647	0.0846	0.0409	0.9930	1.6206	0.1118	1.3274	1.6748	0.0086
175	2.2559	0.8646	0.0423	0.0205	0.9947	1.6239	0.1111	1.3246	1.6746	0.0083
180	2.0038	0.8645	0.	0.	0.9964	1.6269	0.1109	1.3220	1.6744	0.0082

GAMMA = 0.8000 ALPHA = 14.000 K = 0.800

DC = 2.1386 XR = 1.1413 BR = 1.570162 TR = 48.39 CR = 5.4387 QR = 0.1138E 06

THETA	SY	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9161	1.2052	0.2877	0.9161	1.2052	0.2877			
5	1.0706	0.9132	1.1839	0.2940	0.9192	1.2256	0.2809	2.2438	2.2813	11.3356
10	1.1373	0.9103	1.1618	0.2998	0.9222	1.2452	0.2736	1.9511	2.0140	3.8998
15	1.2191	0.9074	1.1389	0.3048	0.9254	1.2640	0.2659	1.8036	1.8882	2.0392
20	1.3164	0.9046	1.1151	0.3093	0.9286	1.2819	0.2578	1.7089	1.8127	1.2635
25	1.4277	0.9019	1.0905	0.3129	0.9318	1.2991	0.2494	1.6405	1.7619	0.8583
30	1.5515	0.8993	1.0650	0.3158	0.9351	1.3154	0.2408	1.5880	1.7254	0.6178
35	1.6856	0.8968	1.0387	0.3179	0.9384	1.3310	0.2320	1.5460	1.6981	0.4626
40	1.8281	0.8943	1.0116	0.3191	0.9418	1.3458	0.2231	1.5113	1.6771	0.3566
45	1.9767	0.8919	0.9837	0.3194	0.9452	1.3599	0.2140	1.4820	1.6605	0.2810
50	2.1294	0.8895	0.9550	0.3188	0.9487	1.3733	0.2050	1.4569	1.6473	0.2253
55	2.2868	0.8873	0.9254	0.3173	0.9521	1.3860	0.2066	1.4350	1.6364	0.1887
60	2.4490	0.8851	0.8951	0.3148	0.9556	1.3980	0.1965	1.4157	1.6276	0.1548
65	2.6134	0.8830	0.8641	0.3113	0.9591	1.4093	0.1875	1.3986	1.6202	0.1287
70	2.7822	0.8810	0.8323	0.3068	0.9627	1.4200	0.1788	1.3832	1.6140	0.1080
75	2.9415	0.8791	0.7997	0.3013	0.9662	1.4301	0.1705	1.3694	1.6087	0.0915
80	3.0801	0.8773	0.7665	0.2948	0.9698	1.4397	0.1626	1.3568	1.6043	0.0780
85	3.2087	0.8755	0.7326	0.2873	0.9733	1.4486	0.1549	1.3453	1.6005	0.0670
90	3.3253	0.8739	0.6981	0.2789	0.9769	1.4570	0.1476	1.3348	1.5973	0.0579
95	3.4281	0.8723	0.6629	0.2695	0.9805	1.4649	0.1406	1.3251	1.5945	0.0504
100	3.5150	0.8708	0.6271	0.2591	0.9841	1.4723	0.1340	1.3162	1.5920	0.0441
105	3.5846	0.8694	0.5908	0.2479	0.9877	1.4792	0.1277	1.3079	1.5899	0.0388
110	3.6351	0.8681	0.5539	0.2357	0.9912	1.4857	0.1219	1.3002	1.5880	0.0343
115	3.6651	0.8669	0.5165	0.2227	0.9948	1.4918	0.1164	1.2930	1.5864	0.0306
120	3.6733	0.8658	0.4787	0.2089	0.9983	1.4975	0.1113	1.2863	1.5850	0.0274
125	3.6585	0.8647	0.4404	0.1943	1.0019	1.5028	0.1066	1.2800	1.5837	0.0247
130	3.6197	0.8638	0.4017	0.1791	1.0054	1.5077	0.1023	1.2741	1.5826	0.0224
135	3.5562	0.8629	0.3626	0.1631	1.0089	1.5123	0.0984	1.2685	1.5816	0.0205
140	3.4673	0.8621	0.3232	0.1466	1.0124	1.5166	0.0949	1.2632	1.5807	0.0189
145	3.3527	0.8615	0.2834	0.1295	1.0159	1.5206	0.0918	1.2582	1.5799	0.0175
150	3.2122	0.8609	0.2434	0.1119	1.0193	1.5243	0.0892	1.2535	1.5792	0.0164
155	3.0460	0.8604	0.2032	0.0939	1.0227	1.5278	0.0869	1.2490	1.5786	0.0155
160	2.8544	0.8600	0.1628	0.0756	1.0261	1.5310	0.0851	1.2448	1.5780	0.0148
165	2.6381	0.8596	0.1222	0.0569	1.0295	1.5340	0.0836	1.2407	1.5775	0.0143
170	2.3981	0.8594	0.0816	0.0381	1.0329	1.5368	0.0826	1.2368	1.5770	0.0139
175	2.1355	0.8593	0.0408	0.0191	1.0362	1.5394	0.0820	1.2330	1.5766	0.0137
180	1.8521	0.8592	0.	0.	1.0395	1.5418	0.0818	1.2295	1.5762	0.0136

GAMMA = 0.8000 ALPHA = 14.000 K = 1.000

DC = 2.1969 XR = 1.1171 BR = 1.488787 TR = 163.31 CR = 2.8503 QR = 0.1918E 04

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9190	1.1700	0.2684	0.9190	1.1700	0.2684			
5	1.0821	0.9155	1.1496	0.2746	0.9226	1.1896	0.2617	2.1423	2.1780	10.2309
10	1.1550	0.9121	1.1283	0.2803	0.9263	1.2084	0.2545	1.8653	1.9252	3.5283
15	1.2434	0.9088	1.1062	0.2854	0.9301	1.2264	0.2469	1.7256	1.8061	1.8487
20	1.3483	0.9056	1.0833	0.2898	0.9339	1.2436	0.2390	1.6355	1.7344	1.1481
25	1.4683	0.9025	1.0596	0.2935	0.9379	1.2600	0.2309	1.5705	1.6861	0.7823
30	1.6015	0.8994	1.0350	0.2965	0.9419	1.2756	0.2225	1.5203	1.6513	0.5653
35	1.7460	0.8965	1.0096	0.2987	0.9460	1.2904	0.2140	1.4800	1.6251	0.4254
40	1.8994	0.8936	0.9833	0.3001	0.9502	1.3045	0.2053	1.4466	1.6049	0.3298
45	2.0594	0.8909	0.9563	0.3006	0.9544	1.3179	0.1966	1.4183	1.5888	0.2617
50	2.2239	0.8883	0.9285	0.3003	0.9588	1.3306	0.1879	1.3938	1.5759	0.2116
55	2.3904	0.8857	0.8999	0.2990	0.9632	1.3425	0.1792	1.3723	1.5652	0.1737
60	2.5566	0.8833	0.8705	0.2968	0.9677	1.3539	0.1706	1.3532	1.5563	0.1445
65	2.7202	0.8809	0.8404	0.2936	0.9723	1.3645	0.1622	1.3361	1.5489	0.1217
70	2.8789	0.8786	0.8095	0.2895	0.9770	1.3746	0.1539	1.3206	1.5425	0.1035
75	3.0305	0.8765	0.7779	0.2845	0.9818	1.3841	0.1457	1.3065	1.5371	0.0888
80	3.1728	0.8744	0.7457	0.2785	0.9866	1.3930	0.1378	1.2935	1.5324	0.0770
85	3.3036	0.8725	0.7128	0.2715	0.9915	1.4014	0.1302	1.2815	1.5283	0.0672
90	3.4209	0.8706	0.6792	0.2636	0.9966	1.4092	0.1228	1.2703	1.5247	0.0592
95	3.5228	0.8689	0.6450	0.2548	1.0017	1.4166	0.1158	1.2598	1.5215	0.0526
100	3.6075	0.8672	0.6102	0.2451	1.0070	1.4235	0.1091	1.2499	1.5186	0.0472
105	3.6733	0.8657	0.5749	0.2345	1.0123	1.4300	0.1027	1.2404	1.5161	0.0426
110	3.7189	0.8642	0.5391	0.2231	1.0178	1.4360	0.0966	1.2315	1.5137	0.0389
115	3.7432	0.8629	0.5027	0.2108	1.0235	1.4417	0.0910	1.2228	1.5116	0.0359
120	3.7456	0.8616	0.4659	0.1978	1.0293	1.4471	0.0858	1.2144	1.5096	0.0334
125	3.7260	0.8605	0.4286	0.1840	1.0353	1.4521	0.0810	1.2062	1.5077	0.0316
130	3.6854	0.8594	0.3910	0.1696	1.0416	1.4568	0.0767	1.1981	1.5059	0.0303
135	3.6262	0.8585	0.3529	0.1545	1.0483	1.4613	0.0731	1.1899	1.5042	0.0296
140	3.5539	0.8576	0.3146	0.1388	1.0553	1.4656	0.0702	1.1816	1.5024	0.0296
145	3.4803	0.8568	0.2759	0.1227	1.0630	1.4697	0.0684	1.1730	1.5007	0.0307
150	3.4338	0.8562	0.2370	0.1060	1.0715	1.4737	0.0684	1.1638	1.4988	0.0335
155	3.4981	0.8556	0.1978	0.0890	1.0815	1.4778	0.0725	1.1532	1.4967	0.0402
160	4.1377	0.8552	0.1585	0.0716	1.0950	1.4826	0.0929	1.1394	1.4939	0.0630
165	1.0276	0.8548	0.1190	0.0539						
170	0.7187	0.8546	0.0794	0.0361						
175	0.3760	0.8544	0.0397	0.0181						
180	0.	0.8544	0.	0.						

GAMMA = 0.8000 ALPHA = 14.000 K = 1.200

DC = 2.2441 XR = 1.1060 BR = 1.429569 TR = 120.03 CR = 2.0949 QR = 0.5246E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9214	1.1437	0.2551	0.9214	1.1437	0.2551			
5	1.0926	0.9174	1.1238	0.2611	0.9255	1.1627	0.2485	2.0635	2.0977	9.4152
10	1.1717	0.9135	1.1031	0.2667	0.9298	1.1810	0.2416	1.7985	1.8560	3.2544
15	1.2671	0.9098	1.0816	0.2717	0.9341	1.1984	0.2343	1.6646	1.7420	1.7091
20	1.3804	0.9061	1.0593	0.2760	0.9387	1.2151	0.2267	1.5782	1.6733	1.0646
25	1.5100	0.9026	1.0361	0.2797	0.9433	1.2310	0.2189	1.5155	1.6267	0.7282
30	1.6542	0.8992	1.0122	0.2827	0.9481	1.2461	0.2109	1.4670	1.5931	0.5288
35	1.8108	0.8959	0.9874	0.2849	0.9530	1.2605	0.2027	1.4278	1.5676	0.4005
40	1.9776	0.8928	0.9618	0.2864	0.9580	1.2742	0.1946	1.3951	1.5478	0.3129
45	2.1522	0.8897	0.9354	0.2870	0.9632	1.2872	0.1864	1.3672	1.5319	0.2507
50	2.3325	0.8868	0.9083	0.2867	0.9686	1.2995	0.1783	1.3429	1.5190	0.2050
55	2.5164	0.8840	0.8803	0.2856	0.9742	1.3111	0.1703	1.3213	1.5082	0.1706
60	2.7017	0.8813	0.8516	0.2836	0.9799	1.3222	0.1624	1.3020	1.4991	0.1443
65	2.8866	0.8787	0.8222	0.2807	0.9858	1.3326	0.1548	1.2844	1.4913	0.1239
70	3.0696	0.8762	0.7921	0.2768	0.9920	1.3425	0.1475	1.2682	1.4845	0.1079
75	3.2492	0.8739	0.7612	0.2721	0.9984	1.3518	0.1406	1.2532	1.4785	0.0953
80	3.4249	0.8716	0.7297	0.2664	1.0051	1.3606	0.1341	1.2390	1.4732	0.0855
85	3.5967	0.8695	0.6975	0.2598	1.0121	1.3690	0.1282	1.2255	1.4683	0.0780
90	3.7665	0.8675	0.6647	0.2523	1.0196	1.3770	0.1231	1.2125	1.4639	0.0726
95	3.9390	0.8656	0.6313	0.2439	1.0275	1.3846	0.1190	1.1997	1.4596	0.0691
100	4.1248	0.8638	0.5972	0.2346	1.0362	1.3920	0.1164	1.1869	1.4556	0.0678
105	4.3491	0.8621	0.5627	0.2245	1.0459	1.3993	0.1163	1.1737	1.4515	0.0696
110	4.6817	0.8605	0.5276	0.2136	1.0571	1.4066	0.1215	1.1595	1.4471	0.0770
115	5.4133	0.8591	0.4920	0.2019	1.0715	1.4147	0.1430	1.1426	1.4419	0.1009
120	2.4521	0.8577	0.4560	0.1894						
125	2.4258	0.8565	0.4195	0.1763						
130	2.3711	0.8553	0.3827	0.1625						
135	2.2862	0.8543	0.3455	0.1480						
140	2.1699	0.8534	0.3079	0.1330						
145	2.0208	0.8526	0.2701	0.1175						
150	1.8378	0.8519	0.2320	0.1016						
155	1.6201	0.8513	0.1937	0.0853						
160	1.3672	0.8508	0.1551	0.0686						
165	1.0787	0.8504	0.1165	0.0517						
170	0.7545	0.8502	0.0777	0.0346						
175	0.3948	0.8500	0.0389	0.0173						
180	0.	0.8499	0.	0.						

GAHHA = 0.8000 ALPHA = 14.000 K = 1.400

DC = 2.2839 XR = 1.0991 BR = 1.384861 TR = 96.58 CR = 1.6856 QR = 0.2550E 03										
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9234	1.1230	0.2456	0.9234	1.1230	0.2456			
5	1.1025	0.9189	1.1035	0.2514	0.9280	1.1417	0.2394	1.9997	2.0327	8.7807
10	1.1878	0.9146	1.0833	0.2568	0.9328	1.1596	0.2327	1.7442	1.7998	3.0421
15	1.2909	0.9104	1.0622	0.2616	0.9378	1.1768	0.2258	1.6151	1.6899	1.6018
20	1.4134	0.9064	1.0403	0.2658	0.9430	1.1931	0.2187	1.5313	1.6233	1.0013
25	1.5541	0.9025	1.0176	0.2694	0.9483	1.2087	0.2114	1.4704	1.5781	0.6882
30	1.7112	0.8988	0.9941	0.2723	0.9539	1.2236	0.2039	1.4230	1.5452	0.5029
35	1.8826	0.8952	0.9698	0.2745	0.9596	1.2378	0.1965	1.3845	1.5202	0.3839
40	2.0665	0.8918	0.9447	0.2759	0.9657	1.2514	0.1891	1.3522	1.5005	0.3030
45	2.2609	0.8885	0.9188	0.2766	0.9719	1.2642	0.1819	1.3243	1.4846	0.2458
50	2.4646	0.8853	0.8921	0.2764	0.9785	1.2765	0.1749	1.2997	1.4713	0.2042
55	2.6765	0.8822	0.8647	0.2753	0.9854	1.2881	0.1682	1.2776	1.4601	0.1734
60	2.8964	0.8793	0.8366	0.2734	0.9927	1.2993	0.1621	1.2575	1.4505	0.1504
65	3.1257	0.8765	0.8077	0.2707	1.0005	1.3099	0.1568	1.2387	1.4419	0.1334
70	3.3682	0.8739	0.7781	0.2670	1.0088	1.3202	0.1525	1.2210	1.4342	0.1213
75	3.6327	0.8713	0.7478	0.2624	1.0179	1.3301	0.1498	1.2038	1.4271	0.1136
80	3.9399	0.8689	0.7168	0.2570	1.0280	1.3399	0.1499	1.1868	1.4202	0.1108
85	4.3437	0.8666	0.6852	0.2506	1.0397	1.3498	0.1554	1.1691	1.4133	0.1151
90	5.0322	0.8645	0.6530	0.2434	1.0543	1.3603	0.1757	1.1495	1.4057	0.1350
95	7.7623	0.8624	0.6202	0.2354	1.0770	1.3740	0.2968	1.1223	1.3949	0.2560
100	2.4083	0.8605	0.5868	0.2264						
105	2.4797	0.8587	0.5528	0.2167						
110	2.5296	0.8571	0.5184	0.2062						
115	2.5559	0.8555	0.4834	0.1949						
120	2.5564	0.8541	0.4480	0.1828						
125	2.5291	0.8527	0.4122	0.1702						
130	2.4722	0.8515	0.3760	0.1568						
135	2.3838	0.8504	0.3394	0.1429						
140	2.2626	0.8495	0.3025	0.1284						
145	2.1071	0.8486	0.2654	0.1135						
150	1.9164	0.8479	0.2279	0.0981						
155	1.6894	0.8472	0.1903	0.0823						
160	1.4257	0.8467	0.1524	0.0662						
165	1.1249	0.8463	0.1145	0.0499						
170	0.7868	0.8460	0.0764	0.0334						
175	0.4117	0.8459	0.0382	0.0167						
180	0.	0.8458	0.	0.						

GAHHA = 0.8000 ALPHA = 14.000 K = 1.600

DC = 2.3183 XR = 1.0943 BR = 1.349956 TR = 81.36 CR = 1.4200 QR = 0.1577E 03										
THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9250	1.1064	0.2389	0.9250	1.1064	0.2389			
5	1.1119	0.9201	1.0872	0.2444	0.9302	1.1248	0.2330	1.9461	1.9781	8.2693
10	1.2037	0.9154	1.0671	0.2494	0.9355	1.1425	0.2268	1.6989	1.7528	2.8715
15	1.3151	0.9108	1.0464	0.2540	0.9411	1.1596	0.2204	1.5735	1.6462	1.5164
20	1.4480	0.9065	1.0248	0.2581	0.9469	1.1757	0.2139	1.4918	1.5813	0.9519
25	1.6015	0.9023	1.0024	0.2615	0.9530	1.1912	0.2073	1.4322	1.5370	0.6580
30	1.7739	0.8982	0.9792	0.2643	0.9594	1.2061	0.2007	1.3856	1.5046	0.4845
35	1.9640	0.8944	0.9553	0.2664	0.9662	1.2203	0.1943	1.3474	1.4798	0.3735
40	2.1706	0.8907	0.9306	0.2677	0.9733	1.2339	0.1883	1.3150	1.4599	0.2986
45	2.3938	0.8871	0.9051	0.2683	0.9808	1.2469	0.1827	1.2868	1.4437	0.2464
50	2.6348	0.8837	0.8788	0.2682	0.9889	1.2595	0.1779	1.2615	1.4299	0.2094
55	2.8977	0.8804	0.8518	0.2672	0.9976	1.2716	0.1743	1.2383	1.4179	0.1833
60	3.1919	0.8773	0.8241	0.2653	1.0071	1.2835	0.1727	1.2165	1.4072	0.1660
65	3.5395	0.8744	0.7957	0.2626	1.0179	1.2952	0.1744	1.1953	1.3971	0.1570
70	3.9986	0.8715	0.7665	0.2591	1.0304	1.3071	0.1830	1.1739	1.3873	0.1584
75	4.7764	0.8688	0.7367	0.2547	1.0461	1.3200	0.2106	1.1506	1.3768	0.1815
80	7.9892	0.8663	0.7062	0.2494	1.0716	1.3372	0.3817	1.1184	1.3620	0.3509
85	2.1672	0.8639	0.6751	0.2432						
90	2.2933	0.8616	0.6433	0.2362						
95	2.4046	0.8594	0.6110	0.2284						
100	2.4985	0.8574	0.5781	0.2197						
105	2.5726	0.8555	0.5446	0.2103						
110	2.6245	0.8538	0.5107	0.2001						
115	2.6518	0.8521	0.4763	0.1891						
120	2.6524	0.8506	0.4414	0.1775						
125	2.6241	0.8492	0.4061	0.1651						
130	2.5650	0.8480	0.3704	0.1522						
135	2.4734	0.8468	0.3344	0.1387						
140	2.3476	0.8458	0.2981	0.1246						
145	2.1863	0.8449	0.2614	0.1101						
150	1.9884	0.8441	0.2246	0.0952						
155	1.7529	0.8434	0.1875	0.0799						
160	1.4793	0.8429	0.1502	0.0643						
165	1.1671	0.8425	0.1128	0.0484						
170	0.8164	0.8422	0.0752	0.0324						
175	0.4271	0.8420	0.0376	0.0162						
180	0.	0.8420	0.	0.						

GAMMA = 0.8000 ALPHA = 14.000 K = 1.800

DC = 2.3485 XR = 1.0907 BR = 1.321955 TR = 70.53 CR = 1.2309 QR = 0.1108E 05										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9265	1.0926	0.2340	0.9265	1.0926	0.2340			
5	1.1209	0.9211	1.0736	0.2392	0.9321	1.1110	0.2286	1.9004	1.9316	7.8454
10	1.2196	0.9160	1.0538	0.2439	0.9380	1.1286	0.2230	1.6599	1.7124	2.7310
15	1.3400	0.9111	1.0332	0.2482	0.9442	1.1455	0.2173	1.5377	1.6085	1.4471
20	1.4846	0.9064	1.0118	0.2520	0.9507	1.1617	0.2115	1.4577	1.5450	0.9128
25	1.6528	0.9019	0.9897	0.2552	0.9576	1.1773	0.2059	1.3990	1.5014	0.6352
30	1.8439	0.8975	0.9668	0.2579	0.9649	1.1922	0.2007	1.3529	1.4693	0.4720
35	2.0579	0.8934	0.9431	0.2599	0.9726	1.2066	0.1959	1.3147	1.4444	0.3683
40	2.2964	0.8895	0.9187	0.2611	0.9810	1.2206	0.1920	1.2819	1.4242	0.2995
45	2.5640	0.8857	0.8935	0.2617	0.9901	1.2341	0.1896	1.2529	1.4072	0.2531
50	2.8716	0.8821	0.8676	0.2615	1.0002	1.2475	0.1894	1.2262	1.3925	0.2226
55	3.2448	0.8786	0.8409	0.2605	1.0116	1.2607	0.1936	1.2009	1.3791	0.2056
60	3.7533	0.8754	0.8136	0.2586	1.0251	1.2744	0.2068	1.1757	1.3662	0.2042
65	4.6695	0.8722	0.7855	0.2560	1.0425	1.2896	0.2477	1.1482	1.3523	0.2351
70	1.7836	0.8693	0.7567	0.2525						
75	1.9442	0.8664	0.7272	0.2482						
80	2.0973	0.8638	0.6971	0.2430						
85	2.2403	0.8612	0.6664	0.2370						
90	2.3706	0.8588	0.6350	0.2302						
95	2.4856	0.8566	0.6031	0.2226						
100	2.5826	0.8545	0.5706	0.2141						
105	2.6592	0.8525	0.5376	0.2049						
110	2.7127	0.8506	0.5041	0.1950						
115	2.7410	0.8489	0.4701	0.1843						
120	2.7415	0.8473	0.4357	0.1729						
125	2.7123	0.8459	0.4009	0.1609						
130	2.6512	0.8446	0.3657	0.1483						
135	2.5564	0.8434	0.3301	0.1351						
140	2.4264	0.8423	0.2942	0.1215						
145	2.2597	0.8414	0.2581	0.1073						
150	2.0551	0.8406	0.2217	0.0928						
155	1.8117	0.8399	0.1850	0.0778						
160	1.5289	0.8393	0.1483	0.0626						
165	1.2063	0.8389	0.1113	0.0472						
170	0.8437	0.8386	0.0743	0.0316						
175	0.4415	0.8384	0.0372	0.0158						
180	0.	0.8383	0.	0.						

GAMMA = 0.8000 ALPHA = 14.000 K = 2.000

DC = 2.3755 XR = 1.0880 BR = 1.298993 TR = 62.36 CR = 1.0883 QR = 0.8416E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9277	1.0811	0.2307	0.9277	1.0811	0.2307			
5	1.1297	0.9219	1.0621	0.2354	0.9338	1.0994	0.2258	1.8605	1.8909	7.4871
10	1.2355	0.9164	1.0424	0.2397	0.9402	1.1169	0.2209	1.6258	1.6772	2.6129
15	1.3658	0.9111	1.0220	0.2437	0.9470	1.1339	0.2160	1.5063	1.5756	1.3897
20	1.5235	0.9061	1.0008	0.2472	0.9542	1.1502	0.2113	1.4277	1.5132	0.8814
25	1.7090	0.9013	0.9788	0.2502	0.9620	1.1660	0.2070	1.3697	1.4700	0.6182
30	1.9230	0.8968	0.9562	0.2527	0.9703	1.1812	0.2036	1.3237	1.4379	0.4643
35	2.1688	0.8924	0.9327	0.2545	0.9793	1.1961	0.2013	1.2852	1.4127	0.3681
40	2.4541	0.8882	0.9085	0.2557	0.9892	1.2107	0.2012	1.2516	1.3918	0.3062
45	2.7973	0.8843	0.8836	0.2562	1.0003	1.2252	0.2047	1.2211	1.3738	0.2680
50	3.2448	0.8805	0.8579	0.2559	1.0134	1.2400	0.2158	1.1921	1.3574	0.2503
55	3.9499	0.8769	0.8316	0.2548	1.0296	1.2560	0.2462	1.1624	1.3411	0.2607
60	5.9624	0.8734	0.8045	0.2530	1.0540	1.2761	0.3776	1.1266	1.3215	0.3786
65	1.6682	0.8702	0.7767	0.2504						
70	1.8388	0.8670	0.7482	0.2470						
75	2.0043	0.8641	0.7191	0.2427						
80	2.1620	0.8613	0.6893	0.2377						
85	2.3092	0.8587	0.6589	0.2318						
90	2.4433	0.8562	0.6279	0.2251						
95	2.5617	0.8538	0.5963	0.2176						
100	2.6615	0.8516	0.5642	0.2094						
105	2.7403	0.8496	0.5316	0.2004						
110	2.7954	0.8477	0.4984	0.1906						
115	2.8244	0.8459	0.4648	0.1802						
120	2.8249	0.8443	0.4308	0.1690						
125	2.7947	0.8428	0.3963	0.1573						
130	2.7317	0.8414	0.3615	0.1450						
135	2.6340	0.8402	0.3264	0.1321						
140	2.5000	0.8391	0.2909	0.1187						
145	2.3282	0.8381	0.2551	0.1049						
150	2.1174	0.8372	0.2191	0.0907						
155	1.8666	0.8365	0.1829	0.0761						
160	1.5752	0.8360	0.1466	0.0612						
165	1.2428	0.8355	0.1100	0.0461						
170	0.8693	0.8352	0.0734	0.0309						
175	0.4548	0.8350	0.0367	0.0155						
180	0.	0.8349	0.	0.						

GAMMA = 0.8000 ALPHA = 14.000 K = 2.200

DC = 2.3999 XR = 1.0858 BR = 1.279819 TR = 55.95 CR = 0.9765 QR = 0.6730E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9288	1.0712	0.2285	0.9288	1.0712	0.2285			
5	1.1382	0.9226	1.0523	0.2326	0.9353	1.0895	0.2243	1.8254	1.8552	7.1785
10	1.2517	0.9167	1.0326	0.2365	0.9423	1.1072	0.2201	1.5957	1.6460	2.5121
15	1.3927	0.9111	1.0123	0.2402	0.9497	1.1242	0.2162	1.4784	1.5463	1.3416
20	1.5652	0.9058	0.9912	0.2434	0.9577	1.1407	0.2128	1.4009	1.4848	0.8562
25	1.7708	0.9008	0.9694	0.2462	0.9663	1.1568	0.2104	1.3433	1.4419	0.6060
30	2.0137	0.8959	0.9469	0.2484	0.9757	1.1725	0.2095	1.2972	1.4096	0.4613
35	2.3034	0.8914	0.9236	0.2501	0.9862	1.1881	0.2112	1.2580	1.3838	0.3731
40	2.6629	0.8870	0.8996	0.2511	0.9981	1.2037	0.2177	1.2231	1.3619	0.3206
45	3.1538	0.8828	0.8749	0.2515	1.0122	1.2199	0.2345	1.1902	1.3421	0.2976
50	4.0063	0.8789	0.8495	0.2512	1.0305	1.2379	0.2816	1.1564	1.3223	0.3172
55	1.3600	0.8751	0.8233	0.2501						
60	1.5382	0.8715	0.7965	0.2482						
65	1.7162	0.8681	0.7689	0.2456						
70	1.8914	0.8649	0.7407	0.2422						
75	2.0614	0.8618	0.7119	0.2380						
80	2.2233	0.8589	0.6824	0.2330						
85	2.3744	0.8562	0.6523	0.2273						
90	2.5121	0.8536	0.6216	0.2207						
95	2.6336	0.8512	0.5903	0.2133						
100	2.7361	0.8489	0.5585	0.2052						
105	2.8169	0.8468	0.5262	0.1964						
110	2.8734	0.8448	0.4934	0.1868						
115	2.9031	0.8430	0.4601	0.1766						
120	2.9034	0.8413	0.4264	0.1657						
125	2.8723	0.8398	0.3923	0.1541						
130	2.8074	0.8384	0.3579	0.1421						
135	2.7069	0.8371	0.3230	0.1294						
140	2.5692	0.8360	0.2879	0.1163						
145	2.3925	0.8350	0.2525	0.1028						
150	2.1759	0.8341	0.2169	0.0888						
155	1.9181	0.8334	0.1811	0.0746						
160	1.6187	0.8328	0.1451	0.0600						
165	1.2771	0.8323	0.1089	0.0452						
170	0.8932	0.8320	0.0727	0.0302						
175	0.4674	0.8318	0.0364	0.0151						
180	0.	0.8317	0.	0.						

GAMMA = 0.8000 ALPHA = 14.000 K = 2.600

DC = 2.4428 XR = 1.0825 BR = 1.249613 TR = 46.50 CR = 0.8116 QR = 0.4753E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9306	1.0553	0.2265	0.9306	1.0553	0.2265			
5	1.1548	0.9236	1.0363	0.2294	0.9381	1.0737	0.2238	1.7655	1.7942	6.6729
10	1.2849	0.9170	1.0166	0.2324	0.9461	1.0917	0.2216	1.5442	1.5928	2.3492
15	1.4502	0.9108	0.9964	0.2352	0.9548	1.1092	0.2204	1.4305	1.4962	1.2666
20	1.6582	0.9050	0.9754	0.2378	0.9644	1.1264	0.2208	1.3545	1.4357	0.8204
25	1.9170	0.8994	0.9538	0.2401	0.9751	1.1435	0.2239	1.2970	1.3928	0.5941
30	2.2463	0.8942	0.9315	0.2419	0.9872	1.1607	0.2321	1.2497	1.3594	0.4692
35	2.6985	0.8892	0.9085	0.2432	1.0017	1.1786	0.2511	1.2079	1.3314	0.4049
40	3.4589	0.8845	0.8848	0.2439	1.0203	1.1986	0.3001	1.1674	1.3052	0.3993
45	6.2689	0.8800	0.8604	0.2440	1.0512	1.2261	0.5631	1.1185	1.2739	0.6256
50	1.2480	0.8757	0.8353	0.2435						
55	1.4327	0.8717	0.8095	0.2423						
60	1.6196	0.8678	0.7830	0.2404						
65	1.8062	0.8642	0.7559	0.2378						
70	1.9899	0.8608	0.7281	0.2344						
75	2.1679	0.8575	0.6997	0.2303						
80	2.3375	0.8544	0.6707	0.2254						
85	2.4958	0.8515	0.6411	0.2197						
90	2.6399	0.8488	0.6109	0.2133						
95	2.7670	0.8462	0.5801	0.2062						
100	2.8742	0.8438	0.5488	0.1983						
105	2.9586	0.8416	0.5171	0.1897						
110	3.0175	0.8395	0.4848	0.1805						
115	3.0483	0.8376	0.4521	0.1705						
120	3.0484	0.8358	0.4190	0.1600						
125	3.0153	0.8342	0.3855	0.1489						
130	2.9470	0.8327	0.3516	0.1372						
135	2.8413	0.8314	0.3174	0.1250						
140	2.6965	0.8302	0.2829	0.1123						
145	2.5110	0.8291	0.2481	0.0992						
150	2.2835	0.8282	0.2131	0.0856						
155	2.0129	0.8275	0.1779	0.0720						
160	1.6986	0.8269	0.1425	0.0579						
165	1.3401	0.8264	0.1070	0.0436						
170	0.9373	0.8260	0.0714	0.0292						
175	0.4904	0.8258	0.0357	0.0146						
180	0.	0.8258	0.	0.						

GAMMA = 0.8000 ALPHA = 14.000 K = 3.000

DC = 2.4796 XK = 1.0801 BR = 1.226890 TR = 39.84 CR = 0.6953 QR = 0.3650E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9320	1.0429	0.2269	0.9320	1.0429	0.2269			
5	1.1710	0.9242	1.0237	0.2284	0.9404	1.0617	0.2261	1.7162	1.7441	6.2726
10	1.3193	0.9170	1.0040	0.2303	0.9496	1.0801	0.2265	1.5019	1.5490	2.2230
15	1.5139	0.9103	0.9837	0.2322	0.9597	1.0984	0.2289	1.3903	1.4542	1.2126
20	1.7678	0.9039	0.9628	0.2341	0.9711	1.1166	0.2351	1.3149	1.3941	0.8003
25	2.1066	0.8979	0.9412	0.2358	0.9843	1.1353	0.2483	1.2566	1.3503	0.5984
30	2.6027	0.8923	0.9190	0.2371	1.0004	1.1552	0.2775	1.2067	1.3148	0.5028
35	3.5645	0.8870	0.8962	0.2380	1.0223	1.1784	0.3601	1.1584	1.2816	0.5075
40	0.9392	0.8819	0.8727	0.2384						
45	1.1202	0.8772	0.8485	0.2383						
50	1.3081	0.8727	0.8237	0.2376						
55	1.5006	0.8684	0.7982	0.2363						
60	1.6953	0.8643	0.7720	0.2343						
65	1.8896	0.8605	0.7452	0.2316						
70	2.0808	0.8569	0.7178	0.2282						
75	2.2661	0.8535	0.6897	0.2241						
80	2.4425	0.8502	0.6611	0.2192						
85	2.6071	0.8472	0.6318	0.2137						
90	2.7570	0.8443	0.6020	0.2074						
95	2.8890	0.8417	0.5717	0.2004						
100	3.0003	0.8392	0.5409	0.1927						
105	3.0878	0.8368	0.5095	0.1843						
110	3.1488	0.8347	0.4777	0.1753						
115	3.1805	0.8326	0.4455	0.1656						
120	3.1801	0.8308	0.4128	0.1554						
125	3.1453	0.8291	0.3798	0.1446						
130	3.0737	0.8276	0.3464	0.1332						
135	2.9632	0.8262	0.3127	0.1213						
140	2.8119	0.8249	0.2787	0.1090						
145	2.6183	0.8239	0.2445	0.0963						
150	2.3809	0.8229	0.2100	0.0832						
155	2.0987	0.8221	0.1753	0.0699						
160	1.7709	0.8215	0.1404	0.0562						
165	1.3971	0.8210	0.1054	0.0423						
170	0.9772	0.8206	0.0703	0.0283						
175	0.5113	0.8204	0.0352	0.0142						
180	0.	0.8203	0.	0.						

GAMMA=0.8000 ALPHA=14.000 K= 4.000

DC= 2.5541 XR= 1.07636 BR= 1.18887
TR=29.3998 CR= 0.51312 QR=22.90696

THETA	ST	X1	B1	S1
0	1.0000	0.9346	1.0215	0.2339
5	1.2112	0.9250	1.0015	0.2311
10	1.4153	0.9163	0.9812	0.2298
15	1.7094	0.9083	0.9606	0.2293
20	2.1677	0.9009	0.9395	0.2293
25	3.1159	0.8940	0.9179	0.2295
30	0.6783	0.8875	0.8959	0.2296
35	0.8545	0.8815	0.8732	0.2296
40	1.0424	0.8758	0.8500	0.2292
45	1.2398	0.8705	0.8261	0.2285
50	1.4444	0.8654	0.8017	0.2272
55	1.6537	0.8607	0.7767	0.2255
60	1.8652	0.8562	0.7510	0.2232
65	2.0760	0.8520	0.7248	0.2204
70	2.2833	0.8480	0.6980	0.2169
75	2.4839	0.8443	0.6706	0.2127
80	2.6747	0.8408	0.6426	0.2079
85	2.8527	0.8375	0.6141	0.2025
90	3.0145	0.8344	0.5851	0.1964
95	3.1568	0.8315	0.5555	0.1896
100	3.2766	0.8288	0.5255	0.1823
105	3.3705	0.8263	0.4950	0.1742
110	3.4355	0.8239	0.4641	0.1656
115	3.4687	0.8218	0.4327	0.1565
120	3.4671	0.8198	0.4010	0.1467
125	3.4280	0.8180	0.3689	0.1364
130	3.3490	0.8163	0.3364	0.1257
135	3.2279	0.8148	0.3037	0.1145
140	3.0625	0.8135	0.2706	0.1028
145	2.8510	0.8123	0.2374	0.0908
150	2.5922	0.8113	0.2039	0.0785
155	2.2846	0.8105	0.1702	0.0659
160	1.9276	0.8098	0.1363	0.0530
165	1.5206	0.8093	0.1024	0.0399
170	1.0635	0.8089	0.0683	0.0267
175	0.5564	0.8087	0.0342	0.0134
180	0.	0.8086	0.	0.

GAMMA=0.8000 ALPHA=14.000 K= 5.000

DC= 2.6128 XR= 1.07414 BR= 1.16536
TR=23.3272 CR= 0.40714 QR=16.63217

THETA	ST	X1	B1	S1
0	1.0000	0.9363	1.0078	0.2458
5	1.2524	0.9250	0.9867	0.2376
10	1.5284	0.9150	0.9656	0.2327
15	1.9920	0.9059	0.9445	0.2297
20	3.1114	0.8976	0.9232	0.2278
25	0.5689	0.8899	0.9014	0.2264
30	0.7445	0.8828	0.8793	0.2254
35	0.9340	0.8762	0.8567	0.2244
40	1.1356	0.8700	0.8336	0.2233
45	1.3469	0.8643	0.8099	0.2220
50	1.5655	0.8588	0.7857	0.2203
55	1.7889	0.8538	0.7610	0.2182
60	2.0144	0.8490	0.7357	0.2156
65	2.2389	0.8445	0.7098	0.2126
70	2.4594	0.8403	0.6834	0.2089
75	2.6726	0.8363	0.6565	0.2047
80	2.8754	0.8326	0.6290	0.1999
85	3.0642	0.8291	0.6010	0.1945
90	3.2356	0.8258	0.5725	0.1885
95	3.3863	0.8227	0.5435	0.1819
100	3.5128	0.8199	0.5141	0.1748
105	3.6117	0.8172	0.4842	0.1670
110	3.6798	0.8148	0.4539	0.1587
115	3.7138	0.8125	0.4232	0.1498
120	3.7108	0.8104	0.3921	0.1404
125	3.6679	0.8085	0.3607	0.1306
130	3.5824	0.8068	0.3290	0.1202
135	3.4519	0.8052	0.2969	0.1095
140	3.2743	0.8039	0.2646	0.0983
145	3.0478	0.8026	0.2321	0.0868
150	2.7706	0.8016	0.1993	0.0750
155	2.4416	0.8007	0.1664	0.0629
160	2.0598	0.8000	0.1333	0.0506
165	1.6247	0.7994	0.1001	0.0381
170	1.1362	0.7990	0.0668	0.0255
175	0.5944	0.7988	0.0334	0.0128
180	0.	0.7987	0.	0.

GAMMA=0.8000 ALPHA=14.000 K= 6.000

DC= 2.6615 XR= 1.07268 BR= 1.14939
TR=19.3443 CR= 0.33762 QR=13.04264

THETA	ST	X1	B1	S1
0	1.0000	0.9375	0.9982	0.2603
5	1.2953	0.9246	0.9759	0.2459
10	1.6685	0.9133	0.9541	0.2371
15	2.4744	0.9033	0.9324	0.2314
20	0.4483	0.8942	0.9107	0.2276
25	0.6190	0.8860	0.8888	0.2249
30	0.8060	0.8783	0.8665	0.2228
35	1.0073	0.8713	0.8439	0.2209
40	1.2208	0.8647	0.8208	0.2192
45	1.4442	0.8586	0.7975	0.2173
50	1.6751	0.8528	0.7732	0.2152
55	1.9107	0.8475	0.7487	0.2127
60	2.1481	0.8425	0.7236	0.2099
65	2.3844	0.8377	0.6981	0.2066
70	2.6163	0.8333	0.6720	0.2029
75	2.8403	0.8292	0.6454	0.1986
80	3.0532	0.8253	0.6183	0.1938
85	3.2512	0.8216	0.5907	0.1884
90	3.4309	0.8182	0.5626	0.1825
95	3.5885	0.8151	0.5340	0.1760
100	3.7286	0.8121	0.5051	0.1690
105	3.8236	0.8094	0.4757	0.1614
110	3.8941	0.8068	0.4458	0.1533
115	3.9286	0.8045	0.4157	0.1447
120	3.9241	0.8023	0.3851	0.1356
125	3.8776	0.8003	0.3542	0.1260
130	3.7863	0.7985	0.3230	0.1160
135	3.6476	0.7969	0.2915	0.1056
140	3.4592	0.7955	0.2598	0.0948
145	3.2193	0.7943	0.2278	0.0837
150	2.9291	0.7932	0.1957	0.0723
155	2.5783	0.7923	0.1633	0.0607
160	2.1750	0.7915	0.1308	0.0488
165	1.7155	0.7909	0.0982	0.0368
170	1.1996	0.7905	0.0655	0.0246
175	0.6276	0.7903	0.0328	0.0123
180	0.	0.7902	0.	0.

GAMMA=0.8000 ALPHA=14.000 K= 8.000

DC= 2.7402 XR= 1.07066 BR= 1.12906
TR=14.4289 CR= 0.25133 QR= 9.10334

THETA	ST	X1	B1	S1
0	1.0000	0.9391	0.9858	0.2932
5	1.3909	0.9231	0.9609	0.2640
10	2.0901	0.9097	0.9375	0.2471
15	0.3490	0.8981	0.9147	0.2363
20	0.5206	0.8878	0.8923	0.2289
25	0.7109	0.8785	0.8699	0.2237
30	0.9177	0.8700	0.8474	0.2197
35	1.1391	0.8622	0.8246	0.2164
40	1.3750	0.8551	0.8015	0.2135
45	1.6169	0.8484	0.7781	0.2107
50	1.8683	0.8423	0.7543	0.2078
55	2.1243	0.8365	0.7300	0.2048
60	2.3820	0.8311	0.7053	0.2015
65	2.6379	0.8261	0.6801	0.1980
70	2.8887	0.8214	0.6545	0.1940
75	3.1307	0.8170	0.6284	0.1896
80	3.3602	0.8128	0.6018	0.1847
85	3.5734	0.8090	0.5748	0.1793
90	3.7664	0.8054	0.5474	0.1735
95	3.9355	0.8021	0.5195	0.1672
100	4.0766	0.7989	0.4912	0.1603
105	4.1860	0.7960	0.4625	0.1530
110	4.2600	0.7934	0.4335	0.1452
115	4.2950	0.7909	0.4041	0.1370
120	4.2876	0.7886	0.3743	0.1283
125	4.2346	0.7866	0.3443	0.1192
130	4.1329	0.7847	0.3139	0.1097
135	3.9799	0.7830	0.2833	0.0998
140	3.7731	0.7815	0.2524	0.0896
145	3.5104	0.7802	0.2214	0.0791
150	3.1898	0.7791	0.1901	0.0683
155	2.8101	0.7781	0.1587	0.0573
160	2.3701	0.7774	0.1271	0.0461
165	1.8691	0.7768	0.0954	0.0347
170	1.3069	0.7763	0.0637	0.0232
175	0.6837	0.7761	0.0318	0.0116
180	0.	0.7760	0.	0.

GAMMA=0.8000 ALPHA=14.000 K=10.000

DC= 2.8030 XR= 1.06977 BR= 1.11666
TR=11.5091 CR= 0.20087 QR= 6.99019

THETA	ST	X1	B1	S1
0	1.0000	0.9401	0.9780	0.3291
5	1.5036	0.9212	0.9506	0.2823
10	3.1770	0.9060	0.9256	0.2570
15	0.3985	0.8930	0.9018	0.2413
20	0.5809	0.8817	0.8787	0.2308
25	0.7939	0.8717	0.8559	0.2234
30	1.0174	0.8626	0.8331	0.2178
35	1.2557	0.8543	0.8102	0.2133
40	1.5066	0.8467	0.7871	0.2095
45	1.7676	0.8397	0.7638	0.2060
50	2.0361	0.8331	0.7400	0.2026
55	2.3090	0.8271	0.7160	0.1991
60	2.5873	0.8215	0.6915	0.1955
65	2.8554	0.8162	0.6666	0.1917
70	3.1217	0.8113	0.6413	0.1875
75	3.3783	0.8067	0.6156	0.1830
80	3.6214	0.8024	0.5894	0.1780
85	3.8469	0.7984	0.5629	0.1727
90	4.0567	0.7947	0.5359	0.1669
95	4.2268	0.7912	0.5085	0.1607
100	4.3770	0.7880	0.4807	0.1540
105	4.4914	0.7850	0.4526	0.1469
110	4.5679	0.7823	0.4241	0.1393
115	4.6029	0.7797	0.3953	0.1313
120	4.5927	0.7774	0.3661	0.1229
125	4.5339	0.7753	0.3367	0.1141
130	4.4234	0.7734	0.3070	0.1050
135	4.2582	0.7716	0.2770	0.0955
140	4.0357	0.7701	0.2468	0.0857
145	3.7537	0.7687	0.2164	0.0756
150	3.4102	0.7676	0.1859	0.0653
155	3.0056	0.7666	0.1551	0.0548
160	2.5324	0.7658	0.1243	0.0440
165	1.9973	0.7652	0.0933	0.0332
170	1.3964	0.7647	0.0622	0.0222
175	0.7305	0.7645	0.0311	0.0111
180	0.	0.7644	0.	0.

GAMMA=0.8000 ALPHA=14.000 K=20.000

DC= 3.0121 XR= 1.06761 BR= 1.09139
TR= 4.7248 CR= 0.08246 QR= 3.23465

THETA	ST	X1	B1	S1
0	1.0000	0.9417	0.9611	0.5062
5	0.1614	0.9109	0.9225	0.3591
10	0.3741	0.8890	0.8914	0.2942
15	0.6060	0.8718	0.8640	0.2595
20	0.8556	0.8575	0.8386	0.2380
25	1.1225	0.8452	0.8143	0.2234
30	1.4057	0.8343	0.7906	0.2128
35	1.7038	0.8246	0.7672	0.2047
40	2.0146	0.8158	0.7440	0.1981
45	2.3355	0.8078	0.7207	0.1925
50	2.6656	0.8004	0.6974	0.1874
55	2.9954	0.7936	0.6738	0.1827
60	3.3271	0.7873	0.6500	0.1781
65	3.6546	0.7815	0.6260	0.1735
70	3.9753	0.7761	0.6017	0.1688
75	4.2801	0.7711	0.5770	0.1639
80	4.5688	0.7664	0.5521	0.1588
85	4.8553	0.7621	0.5268	0.1535
90	5.0746	0.7580	0.5012	0.1478
95	5.2820	0.7543	0.4753	0.1419
100	5.4526	0.7508	0.4491	0.1356
105	5.5818	0.7476	0.4226	0.1291
110	5.6648	0.7446	0.3958	0.1221
115	5.6973	0.7419	0.3688	0.1149
120	5.6750	0.7394	0.3415	0.1074
125	5.5938	0.7371	0.3139	0.0996
130	5.4500	0.7351	0.2861	0.0915
135	5.2402	0.7332	0.2581	0.0831
140	4.9612	0.7316	0.2299	0.0745
145	4.6103	0.7301	0.2016	0.0657
150	4.1851	0.7289	0.1730	0.0567
155	3.6836	0.7279	0.1444	0.0475
160	3.1049	0.7270	0.1157	0.0382
165	2.4473	0.7264	0.0868	0.0287
170	1.7136	0.7259	0.0579	0.0192
175	0.8947	0.7256	0.0290	0.0096
180	0.	0.7255	0.	0.

GAMMA = 0.8000

ALPHA = 15.000

K = 0.200

DG = 1.7673

XD = 1.6013

BD = 2.065931

M2 = -0.4121E 01

THEYA	S0	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9069	1.4896	0.4717	0.9049	1.4898	0.4888			
5	1.0253	0.9039	1.4615	0.4781	0.9059	1.5168	0.4616	2.9925	3.0440	21.3831
10	1.0689	0.9030	1.4325	0.4837	0.9069	1.5430	0.4737	2.5809	2.6687	7.2777
15	1.1295	0.9020	1.4026	0.4883	0.9079	1.5688	0.4653	2.3745	2.4896	3.7829
20	1.2047	0.9010	1.3717	0.4920	0.9089	1.5929	0.4563	2.2422	2.3832	2.3332
25	1.2928	0.9000	1.3400	0.4946	0.9099	1.6188	0.4469	2.1674	2.3119	1.5783
30	1.3919	0.8991	1.3073	0.4961	0.9109	1.6391	0.4371	2.0749	2.2608	1.1306
35	1.5004	0.8981	1.2738	0.4964	0.9118	1.6610	0.4269	2.0172	2.2228	0.8420
40	1.6167	0.8972	1.2393	0.4956	0.9128	1.6820	0.4165	1.9699	2.1937	0.6448
45	1.7391	0.8963	1.2040	0.4936	0.9137	1.7021	0.4059	1.9302	2.1708	0.5041
50	1.8660	0.8954	1.1678	0.4903	0.9146	1.7211	0.3951	1.8965	2.1527	0.4004
55	1.9958	0.8945	1.1307	0.4858	0.9156	1.7399	0.3843	1.8673	2.1381	0.3220
60	2.1270	0.8937	1.0928	0.4799	0.9165	1.7576	0.3735	1.8419	2.1262	0.2616
65	2.2578	0.8928	1.0541	0.4727	0.9173	1.7748	0.3627	1.8196	2.1164	0.2143
70	2.3867	0.8920	1.0146	0.4642	0.9182	1.7908	0.3519	1.7998	2.1084	0.1767
75	2.5121	0.8912	0.9742	0.4544	0.9190	1.8062	0.3414	1.7822	2.1017	0.1465
80	2.6323	0.8905	0.9331	0.4432	0.9199	1.8210	0.3310	1.7655	2.0962	0.1221
85	2.7460	0.8897	0.8913	0.4307	0.9207	1.8360	0.3208	1.7524	2.0915	0.1021
90	2.8515	0.8891	0.8488	0.4169	0.9214	1.8488	0.3110	1.7396	2.0876	0.0857
95	2.9475	0.8885	0.8056	0.4019	0.9222	1.8612	0.3015	1.7281	2.0843	0.0722
100	3.0325	0.8877	0.7617	0.3855	0.9229	1.8739	0.2923	1.7177	2.0816	0.0610
105	3.1053	0.8871	0.7173	0.3680	0.9236	1.8868	0.2835	1.7082	2.0792	0.0516
110	3.1666	0.8866	0.6722	0.3493	0.9243	1.8999	0.2751	1.6996	2.0773	0.0438
115	3.2095	0.8860	0.6266	0.3295	0.9250	1.9060	0.2672	1.6917	2.0756	0.0373
120	3.2388	0.8856	0.5805	0.3085	0.9256	1.9156	0.2598	1.6845	2.0742	0.0319
125	3.2517	0.8851	0.5338	0.2866	0.9262	1.9251	0.2529	1.6779	2.0729	0.0273
130	3.2476	0.8847	0.4868	0.2637	0.9268	1.9350	0.2466	1.6719	2.0719	0.0235
135	3.2257	0.8843	0.4393	0.2400	0.9273	1.9421	0.2407	1.6663	2.0710	0.0203
140	3.1858	0.8839	0.3914	0.2154	0.9279	1.9500	0.2355	1.6613	2.0703	0.0176
145	3.1276	0.8836	0.3432	0.1901	0.9284	1.9575	0.2308	1.6566	2.0697	0.0155
150	3.0510	0.8833	0.2947	0.1642	0.9289	1.9649	0.2267	1.6523	2.0691	0.0137
155	2.9561	0.8831	0.2460	0.1377	0.9294	1.9709	0.2233	1.6484	2.0687	0.0122
160	2.8432	0.8830	0.1971	0.1107	0.9298	1.9771	0.2204	1.6448	2.0683	0.0111
165	2.7129	0.8828	0.1479	0.0834	0.9302	1.9829	0.2182	1.6414	2.0679	0.0103
170	2.5658	0.8827	0.0987	0.0558	0.9306	1.9889	0.2166	1.6384	2.0676	0.0097
175	2.4030	0.8826	0.0494	0.0279	0.9310	1.9935	0.2156	1.6355	2.0674	0.0093
180	2.2257	0.8826	0.	0.	0.9314	1.9983	0.2153	1.6329	2.0672	0.0092

GAMMA = 0.8000

ALPHA = 15.000

K = 0.400

DG = 1.9466

XD = 1.4012

BD = 1.800955

M2 = -0.5077E 01

THEYA	S0	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9114	1.3338	0.3632	0.9114	1.3338	0.3752			
5	1.0451	0.9097	1.3096	0.3697	0.9131	1.3571	0.3680	2.5746	2.6183	15.3654
10	1.0998	0.9081	1.2846	0.3755	0.9147	1.3796	0.3604	2.2901	2.3031	5.2552
15	1.1706	0.9065	1.2586	0.3806	0.9164	1.4012	0.3524	2.0569	2.1549	2.7382
20	1.2564	0.9049	1.2318	0.3849	0.9181	1.4220	0.3439	1.9468	2.0660	1.6910
25	1.3555	0.9033	1.2041	0.3884	0.9198	1.4419	0.3352	1.8660	2.0063	1.1445
30	1.4662	0.9018	1.1755	0.3909	0.9215	1.4610	0.3262	1.8051	1.9637	0.8201
35	1.5869	0.9003	1.1460	0.3925	0.9232	1.4793	0.3170	1.7565	1.9320	0.6107
40	1.7158	0.8988	1.1157	0.3931	0.9248	1.4968	0.3077	1.7166	1.9077	0.4676
45	1.8512	0.8973	1.0845	0.3927	0.9265	1.5133	0.2983	1.6831	1.8887	0.3655
50	1.9913	0.8959	1.0525	0.3912	0.9282	1.5295	0.2888	1.6546	1.8735	0.2903
55	2.1345	0.8945	1.0197	0.3886	0.9298	1.5448	0.2794	1.6300	1.8614	0.2335
60	2.2787	0.8932	0.9860	0.3849	0.9314	1.5593	0.2700	1.6085	1.8515	0.1897
65	2.4223	0.8919	0.9516	0.3801	0.9330	1.5732	0.2608	1.5896	1.8433	0.1554
70	2.5635	0.8906	0.9163	0.3741	0.9346	1.5863	0.2517	1.5729	1.8366	0.1282
75	2.7003	0.8894	0.8803	0.3670	0.9361	1.5988	0.2428	1.5580	1.8311	0.1064
80	2.8311	0.8882	0.8436	0.3587	0.9377	1.6107	0.2342	1.5446	1.8265	0.0887
85	2.9540	0.8871	0.8061	0.3492	0.9392	1.6220	0.2258	1.5326	1.8226	0.0743
90	3.0674	0.8861	0.7680	0.3387	0.9406	1.6326	0.2178	1.5218	1.8193	0.0624
95	3.1695	0.8850	0.7291	0.3270	0.9420	1.6428	0.2100	1.5120	1.8166	0.0527
100	3.2587	0.8841	0.6897	0.3142	0.9434	1.6523	0.2026	1.5031	1.8143	0.0445
105	3.3336	0.8832	0.6496	0.3003	0.9448	1.6614	0.1956	1.4949	1.8123	0.0378
110	3.3927	0.8823	0.6090	0.2854	0.9461	1.6699	0.1890	1.4875	1.8106	0.0322
115	3.4346	0.8815	0.5679	0.2696	0.9474	1.6780	0.1828	1.4808	1.8092	0.0274
120	3.4582	0.8808	0.5262	0.2527	0.9487	1.6857	0.1770	1.4746	1.8080	0.0235
125	3.4624	0.8801	0.4840	0.2350	0.9499	1.6929	0.1716	1.4689	1.8070	0.0202
130	3.4463	0.8794	0.4415	0.2165	0.9511	1.6996	0.1667	1.4637	1.8061	0.0174
135	3.4092	0.8789	0.3985	0.1971	0.9522	1.7060	0.1622	1.4590	1.8054	0.0151
140	3.3504	0.8784	0.3551	0.1771	0.9533	1.7121	0.1582	1.4546	1.8047	0.0132
145	3.2696	0.8779	0.3114	0.1564	0.9543	1.7177	0.1546	1.4505	1.8042	0.0116
150	3.1666	0.8775	0.2675	0.1351	0.9553	1.7231	0.1515	1.4468	1.8037	0.0103
155	3.0415	0.8772	0.2233	0.1134	0.9563	1.7281	0.1489	1.4434	1.8033	0.0092
160	2.8945	0.8769	0.1789	0.0912	0.9572	1.7328	0.1468	1.4402	1.8030	0.0084
165	2.7262	0.8767	0.1343	0.0687	0.9581	1.7372	0.1451	1.4373	1.8027	0.0078
170	2.5373	0.8765	0.0896	0.0459	0.9590	1.7414	0.1439	1.4346	1.8025	0.0073
175	2.3288	0.8764	0.0448	0.0230	0.9598	1.7453	0.1432	1.4321	1.8022	0.0071
180	2.1022	0.8764	0.	0.	0.9606	1.7490	0.1430	1.4298	1.8021	0.0070

GAMMA = 0.8000

ALPHA = 25.000

K = 0.600

DC = 2.0506

XD = 1.2830

BG = 1.661478

#2 = -0.4915E 01

THETA	SU	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9159	1.2560	0.3135	0.9159	1.12560	0.3238			
5	1.0605	0.9137	1.2938	0.3201	0.9182	1.12779	0.3167	2.3623	2.4020	12.7051
10	1.1231	0.9115	1.2107	0.3261	0.9205	1.12978	0.3091	2.0513	2.1178	4.3603
15	1.2013	0.9093	1.1868	0.3314	0.9228	1.13175	0.3011	1.8947	1.9841	2.2760
20	1.2947	0.9072	1.1620	0.3360	0.9252	1.13363	0.2928	1.7941	1.9039	1.4073
25	1.4020	0.9051	1.1363	0.3399	0.9275	1.13543	0.2842	1.7219	1.8500	0.9535
30	1.5214	0.9031	1.1098	0.3429	0.9299	1.13726	0.2755	1.6866	1.8115	0.6839
35	1.6512	0.9011	1.0824	0.3460	0.9323	1.13880	0.2666	1.6224	1.7828	0.5100
40	1.7895	0.8992	1.0541	0.3463	0.9347	1.14037	0.2576	1.5861	1.7607	0.3911
45	1.9346	0.8973	1.0250	0.3466	0.9371	1.14186	0.2485	1.5556	1.7435	0.3063
50	2.0844	0.8954	0.9951	0.3459	0.9395	1.14328	0.2395	1.5295	1.7297	0.2439
55	2.2371	0.8936	0.9644	0.3442	0.9418	1.14463	0.2305	1.5070	1.7187	0.1967
60	2.3905	0.8919	0.9328	0.3415	0.9442	1.14590	0.2216	1.4873	1.7096	0.1604
65	2.5425	0.8903	0.9005	0.3377	0.9466	1.14711	0.2128	1.4699	1.7022	0.1319
70	2.6917	0.8888	0.8674	0.3328	0.9489	1.14826	0.2043	1.4544	1.6960	0.1093
75	2.8357	0.8871	0.8335	0.3269	0.9513	1.14934	0.1960	1.4406	1.6909	0.0911
80	2.9726	0.8856	0.7989	0.3199	0.9536	1.15037	0.1880	1.4281	1.6866	0.0764
85	3.1003	0.8842	0.7636	0.3119	0.9559	1.15134	0.1802	1.4169	1.6829	0.0644
90	3.2172	0.8829	0.7276	0.3027	0.9581	1.15225	0.1728	1.4067	1.6799	0.0545
95	3.3212	0.8816	0.6910	0.2926	0.9604	1.15311	0.1657	1.3975	1.6773	0.0463
100	3.4107	0.8804	0.6538	0.2814	0.9626	1.15399	0.1589	1.3890	1.6751	0.0395
105	3.4839	0.8792	0.6159	0.2692	0.9648	1.15469	0.1525	1.3813	1.6732	0.0338
110	3.5593	0.8782	0.5775	0.2560	0.9669	1.15541	0.1465	1.3742	1.6716	0.0290
115	3.6254	0.8772	0.5385	0.2419	0.9690	1.15608	0.1409	1.3677	1.6702	0.0250
120	3.6910	0.8762	0.4991	0.2270	0.9710	1.15672	0.1356	1.3617	1.6690	0.0216
125	3.7488	0.8754	0.4592	0.2112	0.9730	1.15731	0.1308	1.3562	1.6680	0.0188
130	3.8058	0.8746	0.4188	0.1946	0.9750	1.15787	0.1264	1.3511	1.6671	0.0164
135	3.8631	0.8739	0.3781	0.1773	0.9769	1.15840	0.1224	1.3464	1.6664	0.0144
140	3.9201	0.8733	0.3370	0.1593	0.9788	1.15889	0.1188	1.3420	1.6657	0.0127
145	3.9745	0.8727	0.2956	0.1408	0.9806	1.15936	0.1157	1.3380	1.6652	0.0113
150	4.0279	0.8722	0.2539	0.1217	0.9824	1.15980	0.1130	1.3342	1.6647	0.0102
155	4.0804	0.8718	0.2119	0.1021	0.9841	1.16028	0.1106	1.3307	1.6643	0.0093
160	4.1313	0.8715	0.1698	0.0822	0.9857	1.16073	0.1088	1.3275	1.6639	0.0086
165	4.1801	0.8712	0.1275	0.0619	0.9874	1.16092	0.1073	1.3245	1.6636	0.0080
170	4.2268	0.8710	0.0851	0.0414	0.9889	1.16125	0.1062	1.3217	1.6633	0.0076
175	4.2714	0.8709	0.0425	0.0207	0.9904	1.16155	0.1056	1.3191	1.6631	0.0074
180	4.3135	0.8709	0.	0.	0.9919	1.16185	0.1054	1.3167	1.6629	0.0073

GAMMA = 0.8000

ALPHA = 25.000

K = 0.800

DC = 2.1234

XD = 1.1414

BG = 1.563362

TR = 59.89

CR = 7.3273

QR = 0.1882E 07

THETA	SU	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9194	1.2067	0.2840	0.9194	1.12087	0.2902			
5	1.0733	0.9167	1.1857	0.2906	0.9223	1.12280	0.2831	2.1245	2.2616	11.1208
10	1.1422	0.9139	1.1639	0.2967	0.9251	1.12461	0.2756	1.9347	1.9971	3.8277
15	1.2264	0.9113	1.1412	0.3022	0.9281	1.12656	0.2677	1.7890	1.8728	2.0018
20	1.3263	0.9087	1.1177	0.3069	0.9310	1.12823	0.2595	1.6950	1.7980	1.2395
25	1.4406	0.9061	1.0933	0.3110	0.9340	1.12989	0.2510	1.6275	1.7477	0.8419
30	1.5677	0.9037	1.0680	0.3143	0.9371	1.13160	0.2424	1.5757	1.7117	0.6055
35	1.7058	0.9013	1.0419	0.3167	0.9402	1.13302	0.2337	1.5342	1.6848	0.4531
40	1.8529	0.8989	1.0150	0.3183	0.9433	1.13447	0.2249	1.5001	1.6642	0.3490
45	2.0072	0.8967	0.9872	0.3190	0.9464	1.13586	0.2162	1.4713	1.6479	0.2748
50	2.1670	0.8945	0.9586	0.3188	0.9496	1.13715	0.2075	1.4456	1.6349	0.2203
55	2.3317	0.8924	0.9292	0.3176	0.9528	1.13838	0.1985	1.4251	1.6244	0.1780
60	2.4980	0.8903	0.8989	0.3154	0.9560	1.13955	0.1880	1.4063	1.6157	0.1462
65	2.6670	0.8884	0.8679	0.3122	0.9592	1.14065	0.1796	1.3895	1.6086	0.1212
70	2.7921	0.8865	0.8362	0.3080	0.9625	1.14168	0.1714	1.3746	1.6026	0.1014
75	2.9411	0.8847	0.8037	0.3027	0.9657	1.14263	0.1634	1.3611	1.5975	0.0855
80	3.0821	0.8829	0.7704	0.2965	0.9689	1.14358	0.1557	1.3490	1.5933	0.0725
85	3.2127	0.8813	0.7365	0.2892	0.9722	1.14444	0.1482	1.3379	1.5897	0.0619
90	3.3311	0.8797	0.7019	0.2809	0.9754	1.14528	0.1411	1.3278	1.5866	0.0532
95	3.4353	0.8782	0.6667	0.2717	0.9786	1.14602	0.1343	1.3185	1.5839	0.0460
100	3.5233	0.8768	0.6308	0.2614	0.9819	1.14673	0.1278	1.3099	1.5816	0.0399
105	3.5934	0.8755	0.5943	0.2502	0.9851	1.14739	0.1218	1.3020	1.5797	0.0349
110	3.6539	0.8743	0.5573	0.2381	0.9883	1.14802	0.1160	1.2947	1.5779	0.0306
115	3.7032	0.8731	0.5198	0.2251	0.9914	1.14860	0.1107	1.2879	1.5764	0.0270
120	3.7599	0.8720	0.4817	0.2113	0.9946	1.14914	0.1058	1.2816	1.5751	0.0240
125	3.8627	0.8710	0.4432	0.1966	0.9977	1.14965	0.1012	1.2756	1.5740	0.0216
130	3.9206	0.8701	0.4043	0.1812	1.0008	1.15012	0.0971	1.2701	1.5730	0.0193
135	3.9527	0.8693	0.3650	0.1652	1.0039	1.15056	0.0933	1.2649	1.5721	0.0174
140	3.9683	0.8686	0.3254	0.1485	1.0070	1.15097	0.0899	1.2600	1.5713	0.0159
145	3.9668	0.8679	0.2854	0.1312	1.0100	1.15136	0.0870	1.2556	1.5706	0.0146
150	3.9482	0.8674	0.2451	0.1134	1.0130	1.15171	0.0844	1.2511	1.5700	0.0136
155	3.9125	0.8669	0.2046	0.0952	1.0159	1.15204	0.0822	1.2471	1.5694	0.0127
160	3.8600	0.8665	0.1640	0.0766	1.0188	1.15235	0.0805	1.2432	1.5689	0.0120
165	3.7813	0.8662	0.1231	0.0577	1.0217	1.15263	0.0791	1.2395	1.5685	0.0115
170	3.6774	0.8660	0.0821	0.0386	1.0245	1.15290	0.0781	1.2361	1.5681	0.0112
175	3.5495	0.8659	0.0411	0.0193	1.0274	1.15314	0.0775	1.2328	1.5677	0.0110
180	3.4092	0.8658	0.	0.	1.0301	1.15337	0.0773	1.2296	1.5674	0.0109

GAMMA = 0.8000

ALPHA = 15.000

K = 1.000

DC = 2.1793		XR = 1.1131		BR = 1.483091		TR = 174.73		CR = 3.0497		QR = 0.3233E 04	
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9222	1.1719	0.2646	0.9222	1.1719	0.2708				
5	1.0843	0.9189	1.1518	0.2712	0.9256	1.1912	0.2575	2.1241	2.1594	10.0375	
10	1.1579	0.9157	1.1308	0.2772	0.9290	1.12096	0.2500	1.8500	1.9092	3.4622	
15	1.2466	0.9126	1.1090	0.2827	0.9325	1.12279	0.2421	1.7114	1.7912	1.8131	
20	1.3515	0.9096	1.0863	0.2875	0.9361	1.12441	0.2340	1.5825	1.7205	1.1248	
25	1.4713	0.9067	1.0628	0.2917	0.9397	1.12601	0.2256	1.4683	1.6728	0.7652	
30	1.6043	0.9038	1.0384	0.2950	0.9435	1.12753	0.2170	1.3689	1.6385	0.5517	
35	1.7485	0.9010	1.0132	0.2976	0.9473	1.12898	0.2082	1.2892	1.6129	0.4141	
40	1.9017	0.8984	0.9872	0.2994	0.9512	1.13035	0.1994	1.2364	1.5930	0.3202	
45	2.0618	0.8958	0.9603	0.3003	0.9551	1.13165	0.1906	1.2086	1.5773	0.2532	
50	2.2264	0.8933	0.9326	0.3003	0.9591	1.13288	0.1818	1.1947	1.5647	0.2040	
55	2.3932	0.8909	0.9041	0.2994	0.9632	1.13404	0.1730	1.1837	1.5544	0.1668	
60	2.5599	0.8886	0.8748	0.2976	0.9673	1.13513	0.1644	1.1752	1.5458	0.1382	
65	2.7240	0.8863	0.8447	0.2947	0.9715	1.13616	0.1559	1.1686	1.5387	0.1157	
70	2.8832	0.8842	0.8139	0.2909	0.9758	1.13713	0.1475	1.1637	1.5326	0.0979	
75	3.0352	0.8822	0.7823	0.2862	0.9801	1.13804	0.1394	1.1601	1.5275	0.0836	
80	3.1777	0.8802	0.7500	0.2804	0.9845	1.13889	0.1315	1.1577	1.5230	0.0719	
85	3.3084	0.8784	0.7171	0.2736	0.9890	1.13969	0.1239	1.1562	1.5192	0.0624	
90	3.4251	0.8766	0.6834	0.2659	0.9935	1.14044	0.1166	1.1566	1.5158	0.0545	
95	3.5286	0.8750	0.6492	0.2572	0.9981	1.14114	0.1096	1.1577	1.5129	0.0480	
100	3.6079	0.8734	0.6143	0.2476	1.0027	1.14180	0.1029	1.1593	1.5103	0.0426	
105	3.6701	0.8719	0.5788	0.2371	1.0075	1.14241	0.0965	1.1626	1.5079	0.0381	
110	3.7105	0.8706	0.5428	0.2257	1.0123	1.14298	0.0904	1.1665	1.5058	0.0343	
115	3.7273	0.8693	0.5063	0.2134	1.0172	1.14352	0.0847	1.1714	1.5039	0.0312	
120	3.7193	0.8681	0.4693	0.2003	1.0223	1.14401	0.0794	1.1768	1.5022	0.0286	
125	3.6853	0.8670	0.4318	0.1865	1.0274	1.14448	0.0744	1.1826	1.5006	0.0264	
130	3.6247	0.8660	0.3939	0.1719	1.0327	1.14491	0.0698	1.1893	1.4991	0.0247	
135	3.5371	0.8651	0.3556	0.1567	1.0382	1.14532	0.0656	1.1923	1.4977	0.0234	
140	3.4234	0.8643	0.3170	0.1409	1.0438	1.14570	0.0618	1.1854	1.4964	0.0224	
145	3.2851	0.8636	0.2781	0.1245	1.0497	1.14606	0.0586	1.1785	1.4951	0.0219	
150	3.1265	0.8630	0.2388	0.1077	1.0560	1.14640	0.0559	1.1714	1.4938	0.0219	
155	2.9558	0.8624	0.1994	0.0904	1.0627	1.14673	0.0540	1.1641	1.4925	0.0225	
160	2.7922	0.8620	0.1598	0.0727	1.0701	1.14705	0.0533	1.1563	1.4912	0.0243	
165	2.6875	0.8617	0.1200	0.0548	1.0786	1.14737	0.0550	1.1475	1.4897	0.0283	
170	2.6633	0.8614	0.0800	0.0367	1.0894	1.14771	0.0643	1.1367	1.4877	0.0398	
175	0.3902	0.8613	0.0400	0.0184							
180	0.	0.8613	0.	0.							

GAMMA = 0.8000

ALPHA = 15.000

K = 1.200

DC = 2.2244		XR = 1.1017		BR = 1.424334		TR = 125.59		CR = 2.1919		QR = 0.7300E 03	
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9245	1.1458	0.2511	0.9245	1.1458	0.2573				
5	1.0949	0.9207	1.1262	0.2575	0.9283	1.1645	0.2441	2.0460	2.0798	9.2384	
10	1.1743	0.9171	1.1059	0.2635	0.9323	1.1824	0.2368	1.7839	1.8408	3.1932	
15	1.2695	0.9136	1.0847	0.2689	0.9364	1.1994	0.2292	1.6515	1.7281	1.6754	
20	1.3820	0.9101	1.0626	0.2737	0.9406	1.2157	0.2213	1.5659	1.6601	1.0418	
25	1.5106	0.9068	1.0397	0.2778	0.9449	1.2312	0.2131	1.5041	1.6142	0.7110	
30	1.6536	0.9036	1.0160	0.2812	0.9493	1.2459	0.2049	1.4564	1.5811	0.5148	
35	1.8099	0.9005	0.9914	0.2839	0.9539	1.2599	0.1965	1.4179	1.5562	0.3885	
40	1.9744	0.8976	0.9660	0.2857	0.9586	1.2732	0.1881	1.3859	1.5369	0.3024	
45	2.1477	0.8947	0.9398	0.2867	0.9634	1.2857	0.1797	1.3587	1.5215	0.2412	
50	2.3267	0.8919	0.9127	0.2869	0.9683	1.2976	0.1713	1.3350	1.5089	0.1963	
55	2.5090	0.8893	0.8849	0.2862	0.9734	1.3088	0.1631	1.3142	1.4986	0.1625	
60	2.6924	0.8867	0.8563	0.2845	0.9786	1.3193	0.1551	1.2955	1.4899	0.1366	
65	2.8749	0.8843	0.8269	0.2819	0.9840	1.3293	0.1473	1.2786	1.4825	0.1164	
70	3.0545	0.8819	0.7968	0.2784	0.9896	1.3387	0.1398	1.2632	1.4761	0.1006	
75	3.2294	0.8797	0.7660	0.2739	0.9954	1.3475	0.1326	1.2489	1.4705	0.0880	
80	3.3981	0.8776	0.7344	0.2685	1.0014	1.3559	0.1258	1.2355	1.4656	0.0781	
85	3.5598	0.8756	0.7022	0.2621	1.0076	1.3637	0.1194	1.2229	1.4612	0.0703	
90	3.7142	0.8737	0.6693	0.2547	1.0142	1.3712	0.1136	1.2109	1.4572	0.0643	
95	3.8626	0.8719	0.6357	0.2465	1.0211	1.3782	0.1085	1.1993	1.4534	0.0599	
100	4.0087	0.8702	0.6016	0.2373	1.0285	1.3849	0.1043	1.1878	1.4499	0.0571	
105	4.1611	0.8686	0.5669	0.2273	1.0365	1.3914	0.1014	1.1763	1.4465	0.0560	
110	4.3468	0.8671	0.5317	0.2164	1.0453	1.3977	0.1005	1.1645	1.4431	0.0574	
115	4.6041	0.8657	0.4959	0.2046	1.0555	1.4040	0.1037	1.1518	1.4395	0.0630	
120	5.1704	0.8644	0.4596	0.1921	1.0683	1.4108	0.1186	1.1369	1.4353	0.0805	
125	2.5135	0.8632	0.4230	0.1789							
130	2.4580	0.8622	0.3858	0.1649							
135	2.3712	0.8612	0.3484	0.1504							
140	2.2515	0.8603	0.3105	0.1352							
145	2.0975	0.8595	0.2724	0.1195							
150	1.9082	0.8589	0.2340	0.1033							
155	1.6826	0.8583	0.1953	0.0867							
160	1.4203	0.8579	0.1565	0.0698							
165	1.1267	0.8575	0.1175	0.0526							
170	0.7840	0.8572	0.0784	0.0352							
175	0.4162	0.8571	0.0392	0.0176							
180	0.	0.8570	0.	0.							

GAMMA = 0.8000 ALPHA = 15.000 K = 1.400

DC = 2.2629	XR = 1.0948	BR = 1.379914	TR = 100.17	CR = 1.7483	QR = 0.3306E 03					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9264	1.1253	0.2414	0.9264	1.1253	0.2476			
5	1.1048	0.9222	1.1062	0.2476	0.9307	1.11436	0.2347	1.9827	2.0154	8.6167
10	1.1901	0.9181	1.0862	0.2534	0.9352	1.11611	0.2277	1.7301	1.7851	2.9844
15	1.2922	0.9142	1.0655	0.2587	0.9398	1.11778	0.2203	1.6024	1.6765	1.5692
20	1.4131	0.9104	1.0438	0.2634	0.9447	1.11938	0.2128	1.5197	1.6108	0.9786
25	1.5517	0.9068	1.0214	0.2674	0.9496	1.12090	0.2051	1.4697	1.5663	0.6706
30	1.7065	0.9033	0.9982	0.2708	0.9548	1.12234	0.1973	1.4132	1.5341	0.4882
35	1.8753	0.8999	0.9741	0.2734	0.9602	1.12371	0.1895	1.3755	1.5097	0.3710
40	2.0562	0.8966	0.9492	0.2753	0.9657	1.12501	0.1817	1.3440	1.4905	0.2914
45	2.2474	0.8935	0.9234	0.2764	0.9715	1.12625	0.1741	1.3169	1.4751	0.2350
50	2.4469	0.8905	0.8969	0.2766	0.9775	1.12742	0.1667	1.2931	1.4624	0.1940
55	2.6535	0.8876	0.8696	0.2760	0.9839	1.12853	0.1596	1.2719	1.4518	0.1635
60	2.8661	0.8849	0.8416	0.2744	0.9905	1.12959	0.1529	1.2526	1.4427	0.1405
65	3.0850	0.8822	0.8127	0.2720	0.9975	1.13040	0.1468	1.2348	1.4347	0.1233
70	3.3114	0.8797	0.7831	0.2686	1.0049	1.13156	0.1415	1.2182	1.4276	0.1105
75	3.5498	0.8773	0.7529	0.2644	1.0130	1.13248	0.1373	1.2022	1.4211	0.1016
80	3.8107	0.8750	0.7219	0.2592	1.0217	1.13337	0.1348	1.1867	1.4150	0.0965
85	4.1187	0.8729	0.6902	0.2530	1.0316	1.13425	0.1352	1.1710	1.4091	0.0958
90	4.5428	0.8708	0.6579	0.2460	1.0431	1.13514	0.1417	1.1545	1.4030	0.1023
95	5.0652	0.8689	0.6250	0.2381	1.0578	1.13611	0.1671	1.1354	1.3960	0.1284
100	2.4894	0.8671	0.5914	0.2292						
105	2.5853	0.8654	0.5573	0.2195						
110	2.6190	0.8638	0.5227	0.2090						
115	2.6481	0.8623	0.4875	0.1977						
120	2.6504	0.8609	0.4519	0.1857						
125	2.6237	0.8597	0.4158	0.1729						
130	2.5660	0.8585	0.3794	0.1594						
135	2.4755	0.8575	0.3425	0.1453						
140	2.3506	0.8566	0.3053	0.1307						
145	2.1900	0.8558	0.2678	0.1165						
150	1.9924	0.8551	0.2301	0.0999						
155	1.7570	0.8545	0.1921	0.0838						
160	1.4830	0.8540	0.1539	0.0675						
165	1.1703	0.8536	0.1155	0.0508						
170	0.8187	0.8533	0.0771	0.0340						
175	0.4284	0.8532	0.0386	0.0170						
180	0.	0.8531	0.	0.						

GAMMA = 0.8000 ALPHA = 15.000 K = 1.600

DC = 2.2949	XR = 1.0900	BR = 1.345212	TR = 83.99	CR = 1.4659	QR = 0.1970E 03					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9280	1.1088	0.2344	0.9280	1.1088	0.2406			
5	1.1141	0.9233	1.0899	0.2404	0.9328	1.11268	0.2280	1.9298	1.9616	8.1152
10	1.2055	0.9189	1.0703	0.2459	0.9378	1.11441	0.2213	1.6850	1.7384	2.8164
15	1.3151	0.9146	1.0498	0.2510	0.9430	1.11606	0.2145	1.5612	1.6332	1.4844
20	1.4454	0.9105	1.0286	0.2555	0.9484	1.11764	0.2074	1.4607	1.5693	0.9290
25	1.5957	0.9065	1.0065	0.2594	0.9541	1.11914	0.2004	1.4221	1.5258	0.6397
30	1.7644	0.9028	0.9836	0.2627	0.9600	1.12057	0.1933	1.3765	1.4942	0.4689
35	1.9501	0.8991	0.9599	0.2653	0.9663	1.12194	0.1864	1.3392	1.4700	0.3595
40	2.1514	0.8956	0.9353	0.2671	0.9728	1.12324	0.1797	1.3078	1.4509	0.2857
45	2.3678	0.8922	0.9100	0.2682	0.9798	1.12448	0.1735	1.2805	1.4353	0.2340
50	2.5995	0.8890	0.8839	0.2684	0.9871	1.12567	0.1678	1.2562	1.4222	0.1971
55	2.8487	0.8859	0.8570	0.2678	0.9950	1.12682	0.1631	1.2341	1.4109	0.1706
60	3.1209	0.8830	0.8294	0.2664	1.0036	1.12792	0.1598	1.2135	1.4009	0.1523
65	3.4295	0.8802	0.8010	0.2640	1.0131	1.12900	0.1587	1.1939	1.3918	0.1410
70	3.8066	0.8775	0.7718	0.2608	1.0239	1.13008	0.1617	1.1744	1.3831	0.1373
75	4.3476	0.8750	0.7420	0.2567	1.0368	1.13119	0.1742	1.1540	1.3742	0.1456
80	5.0092	0.8726	0.7115	0.2516	1.0542	1.13246	0.2213	1.1302	1.3639	0.1902
85	2.2355	0.8703	0.6803	0.2457						
90	2.3681	0.8681	0.6484	0.2389						
95	2.4854	0.8661	0.6160	0.2312						
100	2.5849	0.8641	0.5829	0.2227						
105	2.6639	0.8624	0.5493	0.2133						
110	2.7198	0.8607	0.5152	0.2031						
115	2.7502	0.8591	0.4806	0.1921						
120	2.7527	0.8577	0.4454	0.1804						
125	2.7251	0.8564	0.4099	0.1680						
130	2.6652	0.8552	0.3739	0.1549						
135	2.5714	0.8541	0.3376	0.1412						
140	2.4417	0.8531	0.3010	0.1270						
145	2.2749	0.8523	0.2640	0.1122						
150	2.0697	0.8515	0.2268	0.0970						
155	1.8252	0.8509	0.1893	0.0815						
160	1.5406	0.8504	0.1517	0.0656						
165	1.2158	0.8500	0.1139	0.0494						
170	0.8505	0.8497	0.0760	0.0330						
175	0.4450	0.8495	0.0380	0.0166						
180	0.	0.8495	0.	0.						

GAUSS = 0.8000 ALPHA = 151000 K = 1.800

BC = 2.3236	XR = 1.0865	BR = 1.317364	FR = 82.69	CR = 1.2669	QR = 0.1363E 03				
WETA	S0	X1	B1	S1	X2	B2	X3	B3	S3
0	1.0000	0.9293	1.0951	0.2293	0.9293	1.0951	0.2355		
5	1.1231	0.9243	1.0765	0.2349	0.9246	1.1120	0.2293	1.8845	1.9154
10	1.2207	0.9195	1.0570	0.2402	0.9201	1.1301	0.2171	1.6567	1.6988
15	1.3388	0.9149	1.0368	0.2450	0.9259	1.1465	0.2108	1.5259	1.5961
20	1.4795	0.9104	1.0158	0.2494	0.9520	1.1622	0.2045	1.4471	1.5336
25	1.6431	0.9062	0.9940	0.2531	0.9584	1.1773	0.1983	1.3896	1.4909
30	1.8287	0.9021	0.9713	0.2563	0.9652	1.1918	0.1923	1.3445	1.4552
35	2.0359	0.8982	0.9479	0.2587	0.9723	1.2056	0.1868	1.3074	1.4354
40	2.2654	0.8945	0.9237	0.2605	0.9800	1.2187	0.1819	1.2757	1.4161
45	2.5200	0.8909	0.8987	0.2615	0.9884	1.2316	0.1781	1.2478	1.3999
50	2.8071	0.8875	0.8729	0.2617	0.9975	1.2440	0.1761	1.2225	1.3861
55	3.1268	0.8843	0.8464	0.2612	1.0077	1.2558	0.1771	1.1987	1.3736
60	3.4722	0.8812	0.8191	0.2597	1.0194	1.2668	0.1840	1.1754	1.3620
65	3.8394	0.8782	0.7910	0.2575	1.0340	1.2769	0.2057	1.1512	1.3501
70	4.2211	0.8754	0.7628	0.2543	1.0553	1.2861	0.2299	1.1216	1.3357
75	4.6119	0.8727	0.7328	0.2503					
80	5.0162	0.8702	0.7027	0.2454					
85	5.4324	0.8678	0.6719	0.2396					
90	5.8606	0.8655	0.6404	0.2330					
95	6.3010	0.8634	0.6084	0.2255					
100	6.7540	0.8614	0.5757	0.2172					
105	7.2198	0.8595	0.5425	0.2080					
110	7.6987	0.8577	0.5088	0.1981					
115	8.1902	0.8561	0.4746	0.1874					
120	8.6948	0.8546	0.4399	0.1759					
125	9.2129	0.8532	0.4048	0.1638					
130	9.7544	0.8520	0.3693	0.1511					
135	10.3198	0.8508	0.3335	0.1377					
140	10.9098	0.8498	0.2972	0.1238					
145	11.5250	0.8489	0.2607	0.1095					
150	12.1661	0.8482	0.2240	0.0947					
155	12.8338	0.8475	0.1870	0.0795					
160	13.5287	0.8470	0.1498	0.0640					
165	14.2519	0.8466	0.1125	0.0482					
170	15.0040	0.8463	0.0751	0.0322					
175	15.7864	0.8461	0.0376	0.0162					
180	0.	0.8460	0.	0.					

GAUSS = 0.8000 ALPHA = 251000 K = 2.000

BC = 2.3491		XR = 1.0838		BR = 1.294523		FR = 84.06		CR = 1.1179		QR = 0.1012E 03	
WETA	S0	X1	B1	S1	X2	B2	S2	X3	B3	S3	
0	1.0000	0.9306	1.0836	0.2256	0.9305	1.0838	0.2319				
5	1.1318	0.9251	1.0651	0.2309	0.9363	1.1014	0.2202	1.8461	1.8752	7.3478	
10	1.2360	0.9199	1.0458	0.2358	0.9423	1.1185	0.2146	1.8128	1.8637	2.5608	
15	1.3627	0.9150	1.0257	0.2404	0.9486	1.1359	0.2090	1.7494	1.8367	1.3677	
20	1.5156	0.9102	1.0049	0.2445	0.9554	1.1507	0.2036	1.6476	1.8022	0.8573	
25	1.6949	0.9057	0.9833	0.2480	0.9625	1.1658	0.1985	1.5609	1.7601	0.5980	
30	1.9012	0.9014	0.9609	0.2510	0.9702	1.1804	0.1941	1.4810	1.7289	0.4463	
35	2.1367	0.8973	0.9377	0.2534	0.9785	1.1943	0.1906	1.4088	1.6996	0.3510	
40	2.4068	0.8934	0.9137	0.2550	0.9876	1.2083	0.1888	1.3465	1.6747	0.2891	
45	2.7226	0.8896	0.8890	0.2560	0.9977	1.2229	0.1898	1.2875	1.6577	0.2496	
50	3.1221	0.8860	0.8634	0.2562	1.0093	1.2358	0.1961	1.2302	1.6525	0.2281	
55	3.6934	0.8826	0.8372	0.2556	1.0234	1.2499	0.2146	1.1630	1.6379	0.2275	
60	4.3869	0.8793	0.8102	0.2542	1.0426	1.2664	0.2781	1.1327	1.6218	0.2778	
65	5.1713	0.8762	0.7824	0.2519							
70	6.0117	0.8733	0.7540	0.2488							
75	6.9647	0.8705	0.7248	0.2449							
80	8.0300	0.8679	0.6950	0.2401							
85	9.2948	0.8654	0.6645	0.2345							
90	10.7663	0.8630	0.6335	0.2280							
95	12.4515	0.8608	0.6017	0.2206							
100	14.3577	0.8587	0.5695	0.2125							
105	16.4920	0.8567	0.5366	0.2035							
110	18.9617	0.8549	0.5033	0.1938							
115	21.7842	0.8532	0.4695	0.1833							
120	24.9569	0.8517	0.4352	0.1721							
125	28.4975	0.8502	0.4004	0.1603							
130	32.4337	0.8490	0.3653	0.1478							
135	36.7836	0.8478	0.3298	0.1348							
140	41.5653	0.8467	0.2940	0.1212							
145	46.7273	0.8458	0.2579	0.1071							
150	52.2886	0.8450	0.2215	0.0926							
155	58.2745	0.8443	0.1850	0.0778							
160	64.7139	0.8438	0.1482	0.0626							
165	71.6373	0.8434	0.1113	0.0472							
170	79.0775	0.8431	0.0742	0.0315							
175	87.0749	0.8429	0.0371	0.0158							
180	0.	0.8428	0.	0.							

GAMMA = 0.8000 ALPHA = 15.000 K = 2.200

DC = 2.3722	XR = 1.0817	BR = 1.275447	TR = 57.98	CR = 1.0015	QR = 0.8008E 02					
THETA	SF	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.19316	1.0738	0.2231	0.9316	1.0738	0.2294			
5	1.1401	0.19258	1.0553	0.2279	0.9378	1.0918	0.2182	1.8104	1.8399	7.0448
10	1.2513	0.19202	1.0361	0.2325	0.9443	1.1087	0.2133	1.5833	1.6331	2.4608
15	1.3387	0.19150	1.0162	0.2367	0.9512	1.1252	0.2087	1.4674	1.5347	1.3093
20	1.5540	0.19100	0.9955	0.2405	0.9586	1.1411	0.2044	1.3913	1.4743	0.8314
25	1.7518	0.19052	0.9740	0.2439	0.9666	1.1565	0.2009	1.3351	1.4325	0.5847
30	1.9840	0.19007	0.9518	0.2467	0.9753	1.1713	0.1986	1.2903	1.4013	0.4417
35	2.2580	0.18963	0.9288	0.2489	0.9849	1.1861	0.1984	1.2525	1.3765	0.3537
40	2.5908	0.18922	0.9050	0.2505	0.9957	1.2007	0.2019	1.2192	1.3558	0.2999
45	3.0263	0.18883	0.8805	0.2513	1.0083	1.2157	0.2128	1.1882	1.3374	0.2723
50	3.3086	0.18845	0.8552	0.2515	1.0241	1.2313	0.2430	1.1572	1.3196	0.2760
55	3.6210	0.18810	0.8291	0.2508	1.0480	1.2520	0.3735	1.1207	1.2989	0.3880
60	1.5780	0.18778	0.8024	0.2494						
65	1.7035	0.18743	0.7749	0.2472						
70	1.9665	0.18713	0.7467	0.2441						
75	2.1244	0.18684	0.7178	0.2403						
80	2.2944	0.18656	0.6883	0.2355						
85	2.4635	0.18630	0.6581	0.2300						
90	2.5989	0.18606	0.6273	0.2236						
95	2.7276	0.18583	0.5959	0.2164						
100	2.8368	0.18561	0.5640	0.2084						
105	2.9234	0.18541	0.5314	0.1996						
110	2.9848	0.18522	0.4984	0.1900						
115	3.0182	0.18505	0.4649	0.1798						
120	3.0209	0.18489	0.4309	0.1688						
125	2.9906	0.18474	0.3965	0.1572						
130	2.9250	0.18461	0.3618	0.1450						
135	2.8219	0.18449	0.3265	0.1322						
140	2.6897	0.18438	0.2912	0.1188						
145	2.4956	0.18429	0.2554	0.1050						
150	2.2814	0.18420	0.2194	0.0908						
155	2.0630	0.18413	0.1832	0.0762						
160	1.8498	0.18408	0.1668	0.0614						
165	1.6342	0.18403	0.1502	0.0462						
170	0.9834	0.18400	0.0735	0.0309						
175	0.4884	0.18398	0.0368	0.0155						
180	0.	0.18398	0.	0.						

GAMMA = 0.8000 ALPHA = 15.000 K = 2.600

DC = 2.4226	XR = 1.0785	BR = 1.245390	TR = 47.59	CR = 0.8307	QR = 0.5573E 02					
THETA	SF	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.19333	1.0579	0.2206	0.9333	1.0579	0.2268			
5	1.1565	0.19268	1.0394	0.2243	0.9404	1.0758	0.2170	1.7510	1.7795	6.5480
10	1.2826	0.19206	1.0203	0.2279	0.9479	1.0932	0.2139	1.5923	1.6804	2.2988
15	1.4612	0.19147	1.0004	0.2315	0.9561	1.1106	0.2116	1.4804	1.6054	1.2333
20	1.6899	0.19092	0.9799	0.2347	0.9649	1.1265	0.2106	1.3659	1.4262	0.7936
25	1.8857	0.19040	0.9586	0.2376	0.9748	1.1427	0.2110	1.2900	1.3846	0.5699
30	2.1943	0.18990	0.9366	0.2400	0.9860	1.1589	0.2172	1.2444	1.3526	0.4452
35	2.6862	0.18943	0.9139	0.2419	0.9991	1.1768	0.2308	1.2045	1.3261	0.3778
40	3.2521	0.18899	0.8904	0.2432	1.0155	1.1958	0.2653	1.1667	1.3019	0.3598
45	3.9738	0.18856	0.8662	0.2439	1.0403	1.2163	0.3053	1.1245	1.2755	0.4641
50	1.2760	0.18816	0.8413	0.2439						
55	1.4677	0.18777	0.8156	0.2431						
60	1.6822	0.18741	0.7893	0.2417						
65	1.8569	0.18707	0.7622	0.2394						
70	2.0491	0.18674	0.7344	0.2364						
75	2.2359	0.18643	0.7060	0.2326						
80	2.4143	0.18614	0.6770	0.2280						
85	2.5813	0.18586	0.6473	0.2226						
90	2.7339	0.18560	0.6169	0.2164						
95	2.8690	0.18536	0.5861	0.2094						
100	2.9835	0.18513	0.5546	0.2016						
105	3.0743	0.18492	0.5226	0.1931						
110	3.1386	0.18472	0.4901	0.1838						
115	3.1734	0.18454	0.4572	0.1739						
120	3.1761	0.18437	0.4238	0.1633						
125	3.1441	0.18422	0.3899	0.1520						
130	3.0749	0.18408	0.3557	0.1402						
135	2.9863	0.18396	0.3212	0.1278						
140	2.8169	0.18386	0.2863	0.1149						
145	2.6243	0.18374	0.2511	0.1016						
150	2.3876	0.18363	0.2157	0.0878						
155	2.1054	0.18358	0.1801	0.0737						
160	1.7772	0.18352	0.1443	0.0593						
165	1.4024	0.18347	0.1084	0.0447						
170	0.9810	0.18344	0.0723	0.0299						
175	0.5133	0.18342	0.0362	0.0150						
180	0.	0.18341	0.	0.						

GAUSS = 0.8000 ALPHA = 15.000 K = 3.000

DC = 2.4471	XR = 1.0762	BR = 1.222776	TR = 40.72	CR = 0.7107	QR = 0.4239E 02					
THETA	ST	X1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.9347	1.0456	0.2204	0.9347	1.0456	0.2266			
5	1.1722	0.9274	1.0270	0.2228	0.9426	1.0638	0.2185	1.7023	1.7299	6.1539
10	1.3151	0.9206	1.0077	0.2255	0.9512	1.0815	0.2177	1.4903	1.5369	2.1729
15	1.5002	0.9143	0.9879	0.2282	0.9606	1.0989	0.2186	1.3809	1.4441	1.1776
20	1.7607	0.9083	0.9674	0.2308	0.9712	1.1163	0.2226	1.3073	1.3856	0.7708
25	2.0579	0.9026	0.9463	0.2331	0.9834	1.1339	0.2324	1.2509	1.3434	0.5701
30	2.5093	0.8973	0.9244	0.2351	0.9980	1.1524	0.2547	1.2032	1.3096	0.4708
35	3.3156	0.8923	0.9019	0.2367	1.0174	1.1733	0.3151	1.1582	1.2790	0.4555
40	0.9660	0.8875	0.8786	0.2377						
45	1.1428	0.8830	0.8546	0.2381						
50	1.3375	0.8787	0.8300	0.2380						
55	1.5376	0.8746	0.8046	0.2371						
60	1.7505	0.8708	0.7785	0.2356						
65	1.9436	0.8672	0.7518	0.2333						
70	2.1440	0.8638	0.7244	0.2303						
75	2.3587	0.8605	0.6963	0.2265						
80	2.5247	0.8574	0.6676	0.2219						
85	2.6987	0.8545	0.6383	0.2166						
90	2.8577	0.8518	0.6084	0.2105						
95	2.9984	0.8493	0.5779	0.2037						
100	3.1176	0.8469	0.5469	0.1961						
105	3.2121	0.8447	0.5153	0.1878						
110	3.2789	0.8426	0.4833	0.1788						
115	3.3150	0.8407	0.4508	0.1691						
120	3.3176	0.8390	0.4178	0.1588						
125	3.2838	0.8373	0.3845	0.1478						
130	3.2114	0.8359	0.3507	0.1363						
135	3.0979	0.8346	0.3167	0.1242						
140	2.9415	0.8334	0.2823	0.1117						
145	2.7403	0.8324	0.2476	0.0987						
150	2.4930	0.8315	0.2127	0.0854						
155	2.1983	0.8307	0.1776	0.0717						
160	1.8655	0.8301	0.1423	0.0577						
165	1.4842	0.8296	0.1068	0.0435						
170	1.0243	0.8293	0.0713	0.0291						
175	0.5359	0.8291	0.0357	0.0146						
180	0.	0.8290	0.	0.						

GAUSS=0.8000 ALPHA=15.000 K= 4.00

DC= 2.5168 XR= 1.07255 BR= 1.18493
TR=29.9923 CR= 0.52346 QR=26.25028

THETA	ST	X1	B1	S1
0	1.0000	0.9373	1.0242	0.2259
5	1.2108	0.9283	1.0049	0.2244
10	1.4046	0.9201	0.9852	0.2242
15	1.6807	0.9125	0.9651	0.2247
20	2.1044	0.9055	0.9445	0.2256
25	2.9303	0.8990	0.9234	0.2266
30	0.6860	0.8929	0.9017	0.2274
35	0.8669	0.8871	0.8794	0.2281
40	1.0606	0.8818	0.8564	0.2284
45	1.2648	0.8767	0.8329	0.2283
50	1.4773	0.8719	0.8086	0.2276
55	1.6954	0.8674	0.7837	0.2264
60	1.9164	0.8632	0.7582	0.2246
65	2.1375	0.8592	0.7320	0.2222
70	2.3555	0.8554	0.7052	0.2191
75	2.5672	0.8519	0.6778	0.2153
80	2.7692	0.8485	0.6498	0.2108
85	2.9582	0.8454	0.6212	0.2056
90	3.1307	0.8424	0.5920	0.1998
95	3.2832	0.8397	0.5623	0.1932
100	3.4122	0.8371	0.5320	0.1859
105	3.5143	0.8347	0.5013	0.1779
110	3.5862	0.8325	0.4701	0.1693
115	3.6246	0.8304	0.4385	0.1601
120	3.6264	0.8285	0.4064	0.1503
125	3.5887	0.8268	0.3739	0.1399
130	3.5088	0.8253	0.3411	0.1290
135	3.3842	0.8238	0.3079	0.1175
140	3.2129	0.8226	0.2745	0.1057
145	2.9927	0.8215	0.2408	0.0934
150	2.7223	0.8205	0.2068	0.0807
155	2.4003	0.8197	0.1727	0.0678
160	2.0259	0.8191	0.1383	0.0545
165	1.5985	0.8185	0.1039	0.0411
170	1.1182	0.8182	0.0693	0.0275
175	0.5851	0.8180	0.0347	0.0138
180	0.	0.8179	0.	0.

GAUSS=0.8000 ALPHA=15.000 K= 5.00

DC= 2.5713 XR= 1.07041 BR= 1.16153
TR=23.7724 CR= 0.41491 QR=18.92458

THETA	ST	X1	B1	S1
0	1.0000	0.9389	1.0105	0.2366
5	1.2499	0.9283	0.9902	0.2300
10	1.5095	0.9189	0.9699	0.2265
15	1.9393	0.9103	0.9494	0.2246
20	2.9169	0.9024	0.9285	0.2237
25	0.5728	0.8952	0.9073	0.2233
30	0.7523	0.8885	0.8856	0.2231
35	0.9471	0.8822	0.8633	0.2229
40	1.1551	0.8764	0.8405	0.2225
45	1.3741	0.8709	0.8171	0.2218
50	1.6016	0.8657	0.7931	0.2207
55	1.8349	0.8609	0.7685	0.2192
60	2.0711	0.8564	0.7433	0.2171
65	2.3072	0.8521	0.7175	0.2145
70	2.5398	0.8481	0.6912	0.2113
75	2.7656	0.8443	0.6642	0.2075
80	2.9809	0.8408	0.6367	0.2030
85	3.1822	0.8375	0.6086	0.1979
90	3.3658	0.8343	0.5799	0.1921
95	3.5279	0.8314	0.5507	0.1856
100	3.6649	0.8287	0.5211	0.1786
105	3.7731	0.8262	0.4909	0.1709
110	3.8489	0.8239	0.4603	0.1626
115	3.8888	0.8217	0.4293	0.1536
120	3.8897	0.8197	0.3979	0.1442
125	3.8483	0.8179	0.3661	0.1342
130	3.7618	0.8163	0.3339	0.1237
135	3.6276	0.8148	0.3015	0.1127
140	3.4434	0.8135	0.2687	0.1013
145	3.2070	0.8123	0.2357	0.0895
150	2.9168	0.8113	0.2024	0.0774
155	2.5716	0.8105	0.1690	0.0649
160	2.1703	0.8098	0.1354	0.0523
165	1.7123	0.8093	0.1017	0.0394
170	1.1977	0.8089	0.0678	0.0263
175	0.6267	0.8087	0.0339	0.0132
180	0.	0.8086	0.	0.

GAMMA=0.8000 ALPHA=15.000 K= 6.00

DC= 2.6164 KR= 1.06900 BR= 1.14563
TR=19.7006 CR= 0.34384 QR=14.77509

THETA	ST	X1	B1	S1
0	1.0000	0.9401	1.0009	0.2495
5	1.2904	0.9280	0.9795	0.2374
10	1.6387	0.9174	0.9585	0.2303
15	2.0370	0.9079	0.9375	0.2259
20	2.4890	0.8994	0.9164	0.2233
25	2.9926	0.8915	0.8949	0.2216
30	3.5514	0.8843	0.8731	0.2203
35	4.1610	0.8776	0.8509	0.2193
40	4.8216	0.8714	0.8281	0.2183
45	5.5375	0.8655	0.8048	0.2171
50	6.3041	0.8601	0.7810	0.2157
55	7.1266	0.8550	0.7566	0.2138
60	7.9999	0.8502	0.7317	0.2115
65	8.9291	0.8458	0.7062	0.2087
70	9.9094	0.8416	0.6801	0.2054
75	10.9362	0.8376	0.6535	0.2015
80	12.0049	0.8339	0.6263	0.1970
85	13.1208	0.8305	0.5986	0.1919
90	14.2793	0.8272	0.5704	0.1862
95	15.4762	0.8242	0.5416	0.1799
100	16.7179	0.8214	0.5124	0.1729
105	18.0011	0.8188	0.4827	0.1654
110	19.3320	0.8163	0.4526	0.1573
115	20.7162	0.8141	0.4221	0.1486
120	22.1491	0.8121	0.3912	0.1394
125	23.6362	0.8102	0.3599	0.1297
130	25.1738	0.8085	0.3283	0.1195
135	26.7670	0.8070	0.2963	0.1089
140	28.4115	0.8056	0.2641	0.0979
145	30.1136	0.8044	0.2317	0.0865
150	31.8791	0.8034	0.1990	0.0747
155	33.7041	0.8025	0.1661	0.0627
160	35.5856	0.8018	0.1331	0.0505
165	37.5201	0.8012	0.0999	0.0380
170	39.5049	0.8008	0.0667	0.0254
175	41.5363	0.8006	0.0333	0.0127
180	0.	0.8006	0.	0.

GAMMA=0.8000 ALPHA=15.000 K= 8.00

DC= 2.6888 KR= 1.06725 BR= 1.12539
TR=14.6832 CR= 0.25627 QR=10.25963

THETA	ST	X1	B1	S1
0	1.0000	0.9417	0.9884	0.2797
5	1.3795	0.9267	0.9647	0.2540
10	2.0268	0.9141	0.9422	0.2393
15	2.9471	0.9031	0.9202	0.2302
20	4.0506	0.8933	0.8984	0.2242
25	5.3443	0.8846	0.8766	0.2201
30	6.8261	0.8765	0.8546	0.2171
35	8.5042	0.8692	0.8322	0.2147
40	10.3864	0.8634	0.8095	0.2126
45	12.4650	0.8580	0.7864	0.2106
50	14.7430	0.8530	0.7627	0.2084
55	17.2219	0.8484	0.7387	0.2061
60	20.0035	0.8442	0.7141	0.2034
65	23.0893	0.8403	0.6889	0.2003
70	26.4808	0.8368	0.6633	0.1967
75	30.1889	0.8336	0.6372	0.1927
80	34.2247	0.8307	0.6106	0.1881
85	38.6001	0.8281	0.5834	0.1831
90	43.3272	0.8258	0.5558	0.1774
95	48.4165	0.8239	0.5277	0.1713
100	53.8711	0.8222	0.4992	0.1645
105	59.7025	0.8207	0.4702	0.1573
110	65.9264	0.8193	0.4408	0.1495
115	72.5491	0.8181	0.4110	0.1412
120	79.5767	0.8170	0.3809	0.1324
125	87.0162	0.8161	0.3504	0.1231
130	94.8628	0.8153	0.3195	0.1134
135	103.1205	0.8146	0.2884	0.1033
140	111.7946	0.8140	0.2571	0.0928
145	120.8893	0.8135	0.2255	0.0819
150	130.4072	0.8131	0.1936	0.0708
155	140.3506	0.8128	0.1616	0.0594
160	150.7216	0.8126	0.1295	0.0478
165	161.5213	0.8125	0.0972	0.0360
170	172.7507	0.8125	0.0649	0.0241
175	184.4200	0.8125	0.0325	0.0121
180	0.	0.8125	0.	0.

GAMMA=0.8000 ALPHA=15.000 K= 10.00

DC= 2.17465 KR= 1.06620 BR= 1.11304
TR=11.7065 CR= 0.220432 QR= 7.85479

THETA	ST	X1	B1	S1
0	1.0000	0.9427	0.9807	0.3129
5	1.4847	0.9259	0.9546	0.2710
10	2.9335	0.9106	0.9306	0.2484
15	4.3958	0.8984	0.9077	0.2348
20	5.8663	0.8877	0.8853	0.2259
25	7.3471	0.8782	0.8631	0.2197
30	8.8364	0.8699	0.8408	0.2152
35	10.3322	0.8617	0.8184	0.2117
40	11.8335	0.8545	0.7956	0.2087
45	13.3408	0.8478	0.7726	0.2060
50	14.8542	0.8416	0.7491	0.2033
55	16.3736	0.8359	0.7252	0.2005
60	17.8987	0.8305	0.7008	0.1975
65	19.4296	0.8255	0.6760	0.1941
70	20.9666	0.8208	0.6507	0.1904
75	22.5095	0.8165	0.6249	0.1863
80	24.0582	0.8124	0.5987	0.1817
85	25.6126	0.8086	0.5720	0.1766
90	27.1728	0.8051	0.5448	0.1710
95	28.7387	0.8018	0.5172	0.1649
100	30.3104	0.7987	0.4892	0.1584
105	31.8879	0.7958	0.4607	0.1513
110	33.4716	0.7932	0.4319	0.1437
115	35.0615	0.7908	0.4026	0.1356
120	36.6576	0.7886	0.3731	0.1271
125	38.2591	0.7866	0.3432	0.1182
130	39.8662	0.7847	0.3130	0.1088
135	41.4795	0.7831	0.2825	0.0991
140	43.0993	0.7816	0.2517	0.0890
145	44.7258	0.7803	0.2208	0.0786
150	46.3591	0.7792	0.1896	0.0679
155	47.9990	0.7783	0.1583	0.0570
160	49.6452	0.7775	0.1268	0.0458
165	51.2979	0.7769	0.0952	0.0345
170	52.9571	0.7765	0.0635	0.0231
175	54.6229	0.7763	0.0318	0.0116
180	0.	0.7762	0.	0.

GAMMA=0.8000 ALPHA=15.000 K= 20.00

DC= 2.19358 KR= 1.06413 BR= 1.08788
TR= 4.8181 CR= 0.08409 QR= 3.61466

THETA	ST	X1	B1	S1
0	1.0000	0.9443	0.9638	0.4788
5	0.1574	0.9154	0.9272	0.3431
10	0.3681	0.8894	0.8976	0.2836
15	0.6006	0.8785	0.8713	0.2519
20	0.8535	0.8650	0.8468	0.2325
25	1.1263	0.8533	0.8232	0.2195
30	1.4183	0.8430	0.8001	0.2103
35	1.7278	0.8338	0.7772	0.2033
40	2.0527	0.8255	0.7544	0.1977
45	2.3903	0.8179	0.7315	0.1929
50	2.7374	0.8109	0.7083	0.1886
55	3.0903	0.8044	0.6850	0.1846
60	3.4451	0.7985	0.6613	0.1806
65	3.7973	0.7929	0.6373	0.1765
70	4.1421	0.7878	0.6129	0.1723
75	4.4748	0.7830	0.5882	0.1678
80	4.7901	0.7785	0.5631	0.1631
85	5.0827	0.7744	0.5377	0.1580
90	5.3473	0.7706	0.5119	0.1526
95	5.5785	0.7670	0.4857	0.1468
100	5.7709	0.7637	0.4591	0.1408
105	5.9192	0.7606	0.4322	0.1346
110	6.0181	0.7578	0.4050	0.1271
115	6.0627	0.7552	0.3774	0.1198
120	6.0482	0.7528	0.3496	0.1121
125	5.9700	0.7506	0.3215	0.1041
130	5.8238	0.7487	0.2931	0.0957
135	5.6059	0.7469	0.2646	0.0871
140	5.3128	0.7453	0.2357	0.0781
145	4.9414	0.7440	0.2066	0.0689
150	4.4891	0.7428	0.1775	0.0595
155	3.9539	0.7418	0.1481	0.0499
160	3.3343	0.7410	0.1186	0.0401
165	2.6292	0.7404	0.0891	0.0302
170	1.8382	0.7399	0.0594	0.0202
175	0.9616	0.7396	0.0297	0.0101
180	0.	0.7396	0.	0.

GAMMA = 0.8000 ALPHA = 16.000 K = 0.200

DC = 1.7639 XO = 1.5913 BO = 2.051634 V2 = -0.4195E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9086	1.4877	0.4667	0.9086	1.4877	0.4828			
5	1.0263	0.9077	1.4598	0.4734	0.9095	1.5146	0.4753	2.9695	3.0205	21.0254
10	1.0705	0.9068	1.4310	0.4793	0.9105	1.5406	0.4672	2.5616	2.6468	7.1574
15	1.1317	0.9058	1.4014	0.4842	0.9114	1.5656	0.4585	2.3569	2.4711	3.7207
20	1.2077	0.9049	1.3707	0.4882	0.9123	1.5898	0.4493	2.2259	2.3658	2.2950
25	1.2966	0.9040	1.3392	0.4911	0.9132	1.6131	0.4396	2.1320	2.2951	1.5524
30	1.3965	0.9031	1.3067	0.4929	0.9141	1.6355	0.4296	2.0602	2.2445	1.1121
35	1.5059	0.9022	1.2734	0.4936	0.9150	1.6571	0.4192	2.0030	2.2069	0.8282
40	1.6230	0.9014	1.2391	0.4931	0.9159	1.6778	0.4086	1.9560	2.1780	0.6341
45	1.7463	0.9005	1.2039	0.4914	0.9168	1.6976	0.3978	1.9167	2.1554	0.4957
50	1.8741	0.8997	1.1679	0.4884	0.9177	1.7166	0.3869	1.8833	2.1374	0.3937
55	2.0049	0.8988	1.1309	0.4841	0.9185	1.7348	0.3759	1.8544	2.1230	0.3166
60	2.1369	0.8980	1.0932	0.4785	0.9193	1.7523	0.3650	1.8292	2.1112	0.2572
65	2.2685	0.8973	1.0545	0.4716	0.9201	1.7689	0.3540	1.8071	2.1015	0.2106
70	2.3981	0.8965	1.0151	0.4634	0.9209	1.7848	0.3432	1.7875	2.0936	0.1736
75	2.5241	0.8958	0.9749	0.4538	0.9217	1.8000	0.3326	1.7701	2.0870	0.1439
80	2.6449	0.8950	0.9339	0.4428	0.9225	1.8144	0.3221	1.7545	2.0815	0.1199
85	2.7588	0.8944	0.8921	0.4306	0.9232	1.8282	0.3119	1.7405	2.0769	0.1003
90	2.8645	0.8937	0.8496	0.4169	0.9239	1.8413	0.3020	1.7279	2.0730	0.0842
95	2.9603	0.8931	0.8065	0.4020	0.9246	1.8537	0.2925	1.7165	2.0698	0.0709
100	3.0450	0.8925	0.7626	0.3859	0.9253	1.8656	0.2833	1.7062	2.0671	0.0598
105	3.1171	0.8919	0.7182	0.3684	0.9259	1.8768	0.2745	1.6968	2.0647	0.0506
110	3.1755	0.8914	0.6731	0.3498	0.9265	1.8874	0.2661	1.6882	2.0628	0.0430
115	3.2189	0.8909	0.6275	0.3301	0.9271	1.8975	0.2582	1.6804	2.0611	0.0366
120	3.2465	0.8904	0.5813	0.3092	0.9277	1.9070	0.2508	1.6733	2.0597	0.0312
125	3.2572	0.8900	0.5347	0.2873	0.9283	1.9161	0.2439	1.6668	2.0585	0.0267
130	3.2504	0.8896	0.4875	0.2644	0.9288	1.9246	0.2375	1.6608	2.0575	0.0230
135	3.2254	0.8892	0.4400	0.2407	0.9293	1.9326	0.2317	1.6554	2.0567	0.0199
140	3.1818	0.8889	0.3921	0.2161	0.9298	1.9402	0.2265	1.6504	2.0559	0.0173
145	3.1193	0.8886	0.3438	0.1908	0.9303	1.9474	0.2218	1.6458	2.0553	0.0151
150	3.0379	0.8883	0.2953	0.1648	0.9307	1.9542	0.2178	1.6415	2.0548	0.0134
155	2.9377	0.8881	0.2465	0.1382	0.9311	1.9605	0.2143	1.6376	2.0543	0.0119
160	2.8189	0.8879	0.1974	0.1111	0.9315	1.9665	0.2115	1.6341	2.0539	0.0108
165	2.6822	0.8878	0.1482	0.0837	0.9319	1.9721	0.2092	1.6308	2.0536	0.0100
170	2.5282	0.8877	0.0989	0.0560	0.9323	1.9774	0.2077	1.6277	2.0533	0.0094
175	2.3579	0.8876	0.0495	0.0280	0.9326	1.9824	0.2067	1.6249	2.0531	0.0091
180	2.1726	0.8876	0.	0.	0.9329	1.9870	0.2064	1.6224	2.0529	0.0090

GAMMA = 0.8000 ALPHA = 16.000 K = 0.400

DC = 1.9390 XO = 1.3945 BO = 1.789280 V2 = -0.5235E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9147	1.3337	0.3595	0.9147	1.3337	0.3704			
5	1.0464	0.9132	1.3098	0.3663	0.9163	1.3568	0.3630	2.5554	2.5987	15.1131
10	1.1018	0.9116	1.2849	0.3724	0.9178	1.3790	0.3551	2.2138	2.2862	3.1703
15	1.1734	0.9101	1.2592	0.3778	0.9194	1.4003	0.3469	2.0420	2.1393	2.6942
20	1.2599	0.9086	1.2326	0.3823	0.9210	1.4208	0.3382	1.9321	2.0513	1.6639
25	1.3598	0.9071	1.2050	0.3861	0.9226	1.4405	0.3293	1.8530	1.9922	1.1261
30	1.4714	0.9057	1.1766	0.3889	0.9241	1.4593	0.3201	1.7926	1.9500	0.8068
35	1.5930	0.9043	1.1473	0.3908	0.9257	1.4774	0.3107	1.7444	1.9186	0.6007
40	1.7228	0.9029	1.1172	0.3918	0.9272	1.4946	0.3012	1.7049	1.8945	0.4598
45	1.8592	0.9015	1.0861	0.3916	0.9288	1.5110	0.2917	1.6718	1.8756	0.3592
50	2.0004	0.9001	1.0543	0.3904	0.9303	1.5267	0.2821	1.6435	1.8607	0.2852
55	2.1446	0.8988	1.0215	0.3881	0.9318	1.5417	0.2726	1.6192	1.8486	0.2292
60	2.2899	0.8976	0.9879	0.3847	0.9333	1.5559	0.2632	1.5979	1.8388	0.1861
65	2.4346	0.8964	0.9536	0.3801	0.9348	1.5695	0.2539	1.5792	1.8308	0.1524
70	2.5767	0.8952	0.9184	0.3744	0.9363	1.5824	0.2447	1.5627	1.8242	0.1256
75	2.7145	0.8940	0.8824	0.3675	0.9377	1.5946	0.2358	1.5479	1.8187	0.1041
80	2.8462	0.8929	0.8457	0.3594	0.9391	1.6062	0.2272	1.5347	1.8142	0.0867
85	2.9698	0.8915	0.8082	0.3501	0.9405	1.6172	0.2188	1.5229	1.8104	0.0726
90	3.0837	0.8909	0.7701	0.3397	0.9418	1.6276	0.2107	1.5122	1.8072	0.0609
95	3.1861	0.8899	0.7313	0.3282	0.9431	1.6375	0.2030	1.5025	1.8045	0.0513
100	3.2753	0.8890	0.6918	0.3155	0.9444	1.6468	0.1956	1.4937	1.8022	0.0434
105	3.3498	0.8881	0.6517	0.3017	0.9456	1.6556	0.1886	1.4858	1.8003	0.0367
110	3.4082	0.8873	0.6110	0.2869	0.9468	1.6640	0.1820	1.4785	1.7987	0.0312
115	3.4489	0.8865	0.5697	0.2710	0.9480	1.6718	0.1758	1.4718	1.7973	0.0266
120	3.4707	0.8858	0.5280	0.2542	0.9491	1.6792	0.1700	1.4658	1.7961	0.0227
125	3.4726	0.8852	0.4857	0.2364	0.9502	1.6862	0.1647	1.4602	1.7951	0.0195
130	3.4536	0.8846	0.4430	0.2178	0.9513	1.6928	0.1598	1.4551	1.7943	0.0168
135	3.4128	0.8840	0.3999	0.1984	0.9523	1.6990	0.1553	1.4504	1.7935	0.0145
140	3.3497	0.8836	0.3564	0.1783	0.9533	1.7048	0.1513	1.4461	1.7929	0.0126
145	3.2638	0.8831	0.3126	0.1575	0.9542	1.7102	0.1478	1.4422	1.7924	0.0111
150	3.1550	0.8827	0.2685	0.1361	0.9551	1.7154	0.1448	1.4385	1.7919	0.0098
155	3.0232	0.8824	0.2241	0.1142	0.9560	1.7202	0.1422	1.4352	1.7916	0.0088
160	2.8688	0.8822	0.1796	0.0919	0.9568	1.7248	0.1400	1.4321	1.7912	0.0080
165	2.6922	0.8820	0.1348	0.0692	0.9576	1.7290	0.1384	1.4293	1.7910	0.0074
170	2.4942	0.8818	0.0900	0.0463	0.9584	1.7330	0.1372	1.4266	1.7907	0.0070
175	2.2759	0.8817	0.0450	0.0232	0.9591	1.7368	0.1365	1.4242	1.7905	0.0067
180	2.0387	0.8817	0.	0.	0.9598	1.7403	0.1362	1.4220	1.7903	0.0067

GAMMA = 0.8000 ALPHA = 16.000 K = 0.600

DC = 2.0400 X0 = 1.2809 B0 = 1.651797 V2 = -0.5236E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9190	1.2567	0.3101	0.9190	1.2567	0.3195			
5	1.0620	0.9169	1.2348	0.3170	0.9212	1.2778	0.3121	2.3450	2.3844	12.4992
10	1.1253	0.9149	1.2119	0.3233	0.9233	1.2981	0.3043	2.0367	2.1027	4.2909
15	1.2042	0.9128	1.1882	0.3289	0.9255	1.3175	0.2961	1.8812	1.9699	2.2399
20	1.2983	0.9108	1.1636	0.3339	0.9277	1.3361	0.2876	1.7817	1.8906	1.3848
25	1.4062	0.9089	1.1381	0.3380	0.9299	1.3538	0.2788	1.7101	1.8372	0.9380
30	1.5262	0.9069	1.1118	0.3414	0.9321	1.3707	0.2699	1.6553	1.7990	0.6725
35	1.6567	0.9051	1.0846	0.3438	0.9343	1.3869	0.2609	1.6115	1.7706	0.5012
40	1.7958	0.9032	1.0565	0.3454	0.9365	1.4023	0.2517	1.5756	1.7489	0.3840
45	1.9416	0.9014	1.0275	0.3460	0.9387	1.4169	0.2425	1.5454	1.7316	0.3005
50	2.0924	0.8997	0.9977	0.3456	0.9410	1.4308	0.2334	1.5197	1.7183	0.2389
55	2.2461	0.8980	0.9670	0.3442	0.9432	1.4440	0.2244	1.4974	1.7073	0.1925
60	2.4007	0.8964	0.9356	0.3418	0.9454	1.4565	0.2155	1.4780	1.6984	0.1567
65	2.5543	0.8948	0.9033	0.3382	0.9476	1.4683	0.2068	1.4608	1.6911	0.1286
70	2.7048	0.8933	0.8702	0.3336	0.9497	1.4795	0.1983	1.4456	1.6851	0.1064
75	2.8501	0.8918	0.8364	0.3279	0.9519	1.4901	0.1900	1.4320	1.6800	0.0885
80	2.9883	0.8904	0.8018	0.3211	0.9540	1.5001	0.1820	1.4198	1.6758	0.0741
85	3.1174	0.8891	0.7665	0.3132	0.9561	1.5096	0.1743	1.4088	1.6723	0.0623
90	3.2354	0.8878	0.7305	0.3043	0.9582	1.5185	0.1669	1.3988	1.6693	0.0526
95	3.3404	0.8866	0.6938	0.2942	0.9602	1.5268	0.1599	1.3897	1.6668	0.0445
100	3.4306	0.8855	0.6565	0.2831	0.9622	1.5347	0.1532	1.3815	1.6647	0.0379
105	3.5043	0.8844	0.6186	0.2710	0.9642	1.5421	0.1469	1.3740	1.6628	0.0323
110	3.5598	0.8834	0.5800	0.2579	0.9661	1.5491	0.1409	1.3671	1.6613	0.0277
115	3.5955	0.8824	0.5410	0.2438	0.9680	1.5556	0.1354	1.3607	1.6600	0.0238
120	3.6100	0.8815	0.5014	0.2288	0.9699	1.5618	0.1303	1.3549	1.6588	0.0205
125	3.6022	0.8807	0.4613	0.2130	0.9717	1.5675	0.1255	1.3496	1.6579	0.0177
130	3.5708	0.8800	0.4208	0.1963	0.9734	1.5730	0.1212	1.3447	1.6570	0.0154
135	3.5150	0.8793	0.3799	0.1789	0.9752	1.5780	0.1173	1.3401	1.6563	0.0135
140	3.4341	0.8787	0.3387	0.1608	0.9768	1.5828	0.1138	1.3359	1.6557	0.0119
145	3.3275	0.8782	0.2971	0.1421	0.9785	1.5872	0.1107	1.3320	1.6552	0.0105
150	3.1950	0.8777	0.2552	0.1229	0.9800	1.5914	0.1080	1.3284	1.6547	0.0094
155	3.0367	0.8773	0.2130	0.1031	0.9816	1.5953	0.1058	1.3251	1.6543	0.0086
160	2.8527	0.8770	0.1707	0.0830	0.9830	1.5989	0.1039	1.3220	1.6540	0.0079
165	2.6436	0.8767	0.1281	0.0625	0.9845	1.6023	0.1025	1.3192	1.6537	0.0073
170	2.4103	0.8766	0.0855	0.0418	0.9859	1.6055	0.1015	1.3165	1.6534	0.0070
175	2.1538	0.8765	0.0428	0.0210	0.9872	1.6085	0.1009	1.3141	1.6532	0.0068
180	1.8758	0.8764	0.	0.	0.9885	1.6113	0.1007	1.3118	1.6530	0.0067

GAMMA = 0.8000 ALPHA = 16.000 K = 0.800

DC = 2.1103 X0 = 1.1654 B0 = 1.557078 V2 = -0.1531E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9223	1.2080	0.2808	0.9223	1.2080	0.2870			
5	1.0750	0.9197	1.1873	0.2877	0.9250	1.2278	0.2796	2.2084	2.2452	10.9416
10	1.1446	0.9172	1.1657	0.2941	0.9277	1.2468	0.2718	1.9212	1.9830	2.7666
15	1.2293	0.9147	1.1432	0.2998	0.9304	1.2650	0.2637	1.7764	1.8596	1.9693
20	1.3295	0.9122	1.1199	0.3049	0.9332	1.2823	0.2553	1.6835	1.7856	1.2191
25	1.4440	0.9098	1.0957	0.3093	0.9360	1.2988	0.2466	1.6166	1.7358	0.8268
30	1.5713	0.9075	1.0706	0.3129	0.9389	1.3146	0.2378	1.5653	1.7002	0.5938
35	1.7094	0.9052	1.0447	0.3157	0.9418	1.3295	0.2289	1.5243	1.6737	0.4435
40	1.8564	0.9030	1.0179	0.3176	0.9447	1.3437	0.2199	1.4905	1.6533	0.3408
45	2.0104	0.9009	0.9902	0.3186	0.9476	1.3572	0.2110	1.4621	1.6373	0.2676
50	2.1693	0.8988	0.9617	0.3187	0.9505	1.3699	0.2021	1.4378	1.6245	0.2137
55	2.3310	0.8968	0.9324	0.3178	0.9535	1.3819	0.1933	1.4167	1.6141	0.1730
60	2.4933	0.8949	0.9023	0.3159	0.9565	1.3933	0.1846	1.3981	1.6057	0.1416
65	2.6540	0.8930	0.8713	0.3130	0.9594	1.4040	0.1761	1.3817	1.5987	0.1171
70	2.8109	0.8912	0.8396	0.3090	0.9624	1.4141	0.1679	1.3671	1.5929	0.0976
75	2.9619	0.8895	0.8071	0.3040	0.9654	1.4236	0.1599	1.3540	1.5880	0.0819
80	3.1047	0.8879	0.7738	0.2980	0.9684	1.4325	0.1521	1.3421	1.5839	0.0692
85	3.2372	0.8863	0.7399	0.2909	0.9713	1.4409	0.1447	1.3313	1.5804	0.0589
90	3.3574	0.8848	0.7052	0.2827	0.9743	1.4488	0.1376	1.3215	1.5774	0.0503
95	3.4631	0.8834	0.6699	0.2736	0.9772	1.4561	0.1309	1.3125	1.5749	0.0432
100	3.5524	0.8821	0.6340	0.2634	0.9802	1.4630	0.1245	1.3043	1.5727	0.0373
105	3.6235	0.8808	0.5974	0.2523	0.9831	1.4695	0.1184	1.2967	1.5708	0.0324
110	3.6745	0.8796	0.5603	0.2402	0.9860	1.4755	0.1128	1.2897	1.5692	0.0282
115	3.7037	0.8785	0.5226	0.2272	0.9888	1.4811	0.1075	1.2832	1.5678	0.0248
120	3.7097	0.8775	0.4844	0.2133	0.9917	1.4863	0.1027	1.2771	1.5666	0.0218
125	3.6912	0.8766	0.4458	0.1986	0.9945	1.4912	0.0982	1.2715	1.5655	0.0193
130	3.6469	0.8757	0.4067	0.1832	0.9973	1.4958	0.0941	1.2663	1.5646	0.0172
135	3.5759	0.8750	0.3672	0.1670	1.0000	1.5000	0.0904	1.2614	1.5637	0.0155
140	3.4773	0.8743	0.3273	0.1501	1.0027	1.5039	0.0871	1.2568	1.5630	0.0140
145	3.3508	0.8736	0.2871	0.1327	1.0054	1.5076	0.0842	1.2525	1.5624	0.0128
150	3.1960	0.8731	0.2466	0.1148	1.0080	1.5110	0.0817	1.2485	1.5618	0.0118
155	3.0129	0.8727	0.2059	0.0963	1.0106	1.5142	0.0796	1.2447	1.5614	0.0109
160	2.8018	0.8723	0.1650	0.0775	1.0131	1.5171	0.0779	1.2411	1.5609	0.0103
165	2.5633	0.8720	0.1239	0.0584	1.0157	1.5199	0.0765	1.2378	1.5605	0.0098
170	2.2986	0.8718	0.0826	0.0391	1.0181	1.5224	0.0756	1.2346	1.5602	0.0095
175	2.0085	0.8717	0.0413	0.0196	1.0205	1.5248	0.0750	1.2316	1.5599	0.0093
180	1.6949	0.8716	0.	0.	1.0229	1.5270	0.0748	1.2288	1.5596	0.0092

GAMMA = 0.0000

ALPHA = 16.000

K = 1.000

DC = 2.2541

XR = 1.1094

RR = 1.470157

TR = 173.06

CR = 3.2627

QR = 0.5519E 04

WETA	SF	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9253	1.1733	0.2613	0.9250	1.1725	0.2613			
5	1.0961	0.9237	1.1827	0.2602	0.9282	1.1925	0.2639	2.1088	2.1426	9.8778
10	1.1804	0.9189	1.1838	0.2745	0.9314	1.2107	0.2681	1.8372	1.8959	3.4079
15	1.2599	0.9100	1.1816	0.2803	0.9347	1.2280	0.2680	1.7000	1.7791	1.7842
20	1.3364	0.9121	1.1889	0.2858	0.9380	1.2445	0.2726	1.6116	1.7089	1.1060
25	1.4071	0.9183	1.1834	0.2900	0.9415	1.2602	0.2210	1.5480	1.6816	0.7315
30	1.4809	0.9277	1.1814	0.2937	0.9450	1.2781	0.2123	1.4992	1.6278	0.5410
35	1.5510	0.9388	1.0166	0.2987	0.9483	1.2893	0.2034	1.4600	1.6025	0.4052
40	1.6184	0.9500	0.9982	0.2988	0.9521	1.3027	0.1944	1.4277	1.5820	0.3126
45	1.6844	0.9611	0.9827	0.3001	0.9558	1.3183	0.1855	1.4003	1.5676	0.2466
50	1.7492	0.9723	0.9661	0.3004	0.9595	1.3278	0.1766	1.3768	1.5552	0.1980
55	1.8134	0.9833	0.9507	0.2998	0.9633	1.3386	0.1678	1.3563	1.5451	0.1614
60	1.8777	0.9942	0.9352	0.2982	0.9671	1.3492	0.1591	1.3382	1.5368	0.1332
65	1.9418	0.9999	0.9202	0.2957	0.9710	1.3592	0.1506	1.3221	1.5299	0.1111
70	2.0058	0.9999	0.9057	0.2922	0.9749	1.3688	0.1423	1.3076	1.5241	0.0936
75	2.0698	0.9999	0.8911	0.2876	0.9788	1.3783	0.1342	1.2944	1.5191	0.0795
80	2.1338	0.9999	0.8768	0.2820	0.9829	1.3886	0.1264	1.2834	1.5149	0.0680
85	2.1978	0.9999	0.8628	0.2753	0.9870	1.3988	0.1180	1.2714	1.5115	0.0587
90	2.2617	0.9999	0.8482	0.2679	0.9911	1.4084	0.1116	1.2632	1.5081	0.0510
95	2.3251	0.9999	0.8338	0.2593	0.9952	1.4092	0.1054	1.2538	1.5053	0.0444
100	2.3884	0.9999	0.8198	0.2498	0.9994	1.4186	0.0998	1.2430	1.5029	0.0392
105	2.4518	0.9999	0.8056	0.2393	1.0037	1.4193	0.0946	1.2347	1.5008	0.0347
110	2.5152	0.9999	0.7911	0.2279	1.0080	1.4247	0.0897	1.2269	1.4988	0.0310
115	2.5786	0.9999	0.7769	0.2157	1.0124	1.4298	0.0850	1.2196	1.4971	0.0278
120	2.6421	0.9999	0.7628	0.2026	1.0168	1.4345	0.0747	1.2123	1.4956	0.0252
125	2.7057	0.9999	0.7487	0.1887	1.0213	1.4389	0.0697	1.2058	1.4942	0.0229
130	2.7693	0.9999	0.7348	0.1740	1.0259	1.4429	0.0630	1.1994	1.4928	0.0211
135	2.8330	0.9999	0.7209	0.1587	1.0306	1.4467	0.0607	1.1931	1.4917	0.0195
140	2.8968	0.9999	0.7071	0.1427	1.0353	1.4503	0.0567	1.1870	1.4906	0.0183
145	2.9605	0.9999	0.6935	0.1261	1.0402	1.4536	0.0531	1.1811	1.4896	0.0173
150	3.0243	0.9999	0.6800	0.1091	1.0453	1.4566	0.0498	1.1752	1.4886	0.0166
155	3.0881	0.9999	0.6666	0.0916	1.0506	1.4595	0.0469	1.1692	1.4876	0.0162
160	3.1519	0.9999	0.6533	0.0737	1.0561	1.4623	0.0444	1.1632	1.4867	0.0161
165	3.2157	0.9999	0.6400	0.0556	1.0619	1.4649	0.0425	1.1571	1.4857	0.0164
170	3.2795	0.9999	0.6267	0.0372	1.0683	1.4674	0.0414	1.1505	1.4847	0.0174
175	3.3433	0.9999	0.6134	0.0186	1.0754	1.4698	0.0416	1.1434	1.4837	0.0195
180	3.4071	0.9999	0.6001	0.0	1.0840	1.4724	0.0900	1.1349	1.4824	0.0496

GAMMA = 0.0000

ALPHA = 16.000

K = 1.200

DC = 2.2074

XR = 1.0979

RR = 1.419809

TR = 131.06

CR = 2.2874

QR = 0.1002E 04

WETA	SF	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9272	1.1476	0.2476	0.9272	1.1476	0.2476			
5	1.0968	0.9237	1.1284	0.2544	0.9308	1.1660	0.2404	2.0314	2.0650	9.0924
10	1.1767	0.9202	1.1083	0.2607	0.9345	1.1838	0.2327	1.7717	1.8281	3.1431
15	1.2718	0.9169	1.0873	0.2665	0.9384	1.2003	0.2248	1.6403	1.7163	1.6482
20	1.3837	0.9137	1.0855	0.2716	0.9423	1.2183	0.2166	1.5558	1.6490	1.0236
25	1.5114	0.9105	1.0428	0.2761	0.9464	1.2314	0.2083	1.4944	1.6036	0.6973
30	1.6535	0.9075	1.0193	0.2799	0.9505	1.2458	0.1998	1.4473	1.5710	0.5038
35	1.8078	0.9046	0.9949	0.2829	0.9548	1.2594	0.1912	1.4094	1.5466	0.3791
40	1.9722	0.9018	0.9696	0.2851	0.9591	1.2723	0.1826	1.3780	1.5276	0.2941
45	2.1446	0.8991	0.9436	0.2865	0.9636	1.2845	0.1740	1.3513	1.5125	0.2337
50	2.3226	0.8964	0.9166	0.2870	0.9682	1.2960	0.1656	1.3282	1.5003	0.1894
55	2.5039	0.8939	0.8889	0.2866	0.9729	1.3088	0.1572	1.3078	1.4903	0.1561
60	2.6862	0.8915	0.8604	0.2853	0.9777	1.3170	0.1491	1.2897	1.4819	0.1305
65	2.8672	0.8892	0.8311	0.2830	0.9827	1.3266	0.1412	1.2734	1.4748	0.1100
70	3.0448	0.8870	0.8010	0.2797	0.9878	1.3358	0.1335	1.2585	1.4688	0.0949
75	3.2169	0.8848	0.7701	0.2755	0.9931	1.3440	0.1261	1.2449	1.4635	0.0824
80	3.3817	0.8828	0.7385	0.2702	0.9985	1.3520	0.1192	1.2322	1.4589	0.0725
85	3.5374	0.8809	0.7063	0.2640	1.0041	1.3594	0.1126	1.2202	1.4548	0.0646
90	3.6831	0.8791	0.6733	0.2569	1.0100	1.3664	0.1064	1.2090	1.4511	0.0583
95	3.8181	0.8774	0.6397	0.2487	1.0161	1.3730	0.1008	1.1981	1.4477	0.0534
100	3.9433	0.8758	0.6054	0.2397	1.0226	1.3793	0.0959	1.1877	1.4446	0.0499
105	4.0616	0.8742	0.5706	0.2297	1.0294	1.3852	0.0917	1.1773	1.4417	0.0476
110	4.1802	0.8728	0.5352	0.2188	1.0368	1.3908	0.0886	1.1670	1.4389	0.0467
115	4.3163	0.8715	0.4993	0.2070	1.0450	1.3963	0.0873	1.1563	1.4360	0.0477
120	4.5171	0.8703	0.4628	0.1945	1.0543	1.4018	0.0892	1.1449	1.4330	0.0521
125	4.9537	0.8692	0.4259	0.1812	1.0659	1.4076	0.0999	1.1316	1.4295	0.0654
130	7.8031	0.8681	0.3886	0.1671	1.0848	1.4153	0.1904	1.1113	1.4239	0.1569
135	2.4462	0.8672	0.3509	0.1524						
140	2.3236	0.8664	0.3128	0.1371						
145	2.1653	0.8656	0.2744	0.1212						
150	1.9704	0.8650	0.2357	0.1048						
155	1.7379	0.8645	0.1968	0.0880						
160	1.4672	0.8640	0.1577	0.0709						
165	1.1580	0.8637	0.1184	0.0534						
170	0.8101	0.8635	0.0790	0.0357						
175	0.4239	0.8633	0.0395	0.0179						
180	0.	0.8633	0.	0.						

GAMMA = 0.8000

ALPHA = 16.000

K = 1.400

DC = 2.2437

XR = 1.0910

BR = 1.375638

TR = 103.61

CR = 1.8083

QR = 0.4218E 03

PHETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9290	1.1273	0.2377	0.9290	1.1273	0.2377			
5	1.1067	0.9251	1.1085	0.2444	0.9331	1.1483	0.2307	1.9686	2.0010	8.4814
10	1.1922	0.9212	1.0888	0.2505	0.9373	1.1625	0.2233	1.7183	1.7729	2.9373
15	1.2936	0.9175	1.0683	0.2562	0.9417	1.1788	0.2156	1.5917	1.6652	1.5429
20	1.4132	0.9140	1.0470	0.2613	0.9462	1.1944	0.2078	1.5098	1.6002	0.9602
25	1.5501	0.9105	1.0248	0.2657	0.9509	1.2092	0.1998	1.4505	1.5563	0.6566
30	1.7029	0.9072	1.0017	0.2695	0.9557	1.2232	0.1917	1.4047	1.5246	0.4765
35	1.8894	0.9040	0.9778	0.2725	0.9607	1.2366	0.1836	1.3677	1.5006	0.3609
40	2.0982	0.9009	0.9531	0.2747	0.9659	1.2492	0.1756	1.3368	1.4820	0.2822
45	2.2967	0.8979	0.9275	0.2762	0.9713	1.2611	0.1677	1.3104	1.4670	0.2265
50	2.4931	0.8951	0.9011	0.2768	0.9768	1.2724	0.1600	1.2873	1.4547	0.1859
55	2.6859	0.8924	0.8739	0.2765	0.9827	1.2831	0.1525	1.2667	1.4445	0.1537
60	2.8734	0.8897	0.8459	0.2753	0.9888	1.2931	0.1455	1.2482	1.4358	0.1320
65	3.0551	0.8872	0.8171	0.2731	0.9952	1.3027	0.1389	1.2311	1.4283	0.1155
70	3.2310	0.8848	0.7876	0.2701	1.0019	1.3118	0.1329	1.2153	1.4216	0.1024
75	3.4030	0.8823	0.7573	0.2660	1.0091	1.3204	0.1278	1.2003	1.4156	0.0928
80	3.5734	0.8804	0.7263	0.2611	1.0169	1.3287	0.1230	1.1858	1.4101	0.0863
85	3.7437	0.8783	0.6946	0.2551	1.0254	1.3367	0.1217	1.1715	1.4049	0.0832
90	4.2962	0.8764	0.6622	0.2482	1.0351	1.3446	0.1227	1.1570	1.3997	0.0843
95	4.7585	0.8746	0.6291	0.2404	1.0466	1.3528	0.1311	1.1412	1.3942	0.0935
100	5.2842	0.8728	0.5955	0.2317	1.0622	1.3621	0.1677	1.1220	1.3874	0.1313
105	2.6406	0.8712	0.5612	0.2221						
110	2.6976	0.8697	0.5264	0.2116						
115	2.7293	0.8683	0.4911	0.2002						
120	2.7332	0.8670	0.4553	0.1881						
125	2.7071	0.8658	0.4190	0.1753						
130	2.6489	0.8647	0.3823	0.1617						
135	2.5566	0.8637	0.3452	0.1475						
140	2.4286	0.8628	0.3077	0.1327						
145	2.2633	0.8621	0.2708	0.1173						
150	2.0597	0.8614	0.2319	0.1014						
155	1.8168	0.8608	0.1936	0.0852						
160	1.5339	0.8604	0.1551	0.0686						
165	1.2106	0.8600	0.1165	0.0517						
170	0.8469	0.8597	0.0777	0.0346						
175	0.4332	0.8596	0.0389	0.0173						
180	0.	0.8595	0.	0.						

GAMMA = 0.8000

ALPHA = 16.000

K = 1.600

DC = 2.2749

XR = 1.0863

BR = 1.341110

TR = 86.47

CR = 1.5091

QR = 0.2423E 03

PHETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9306	1.1109	0.2305	0.9306	1.1109	0.2305			
5	1.1160	0.9262	1.0924	0.2369	0.9351	1.1288	0.2237	1.9163	1.9477	7.9881
10	1.2072	0.9220	1.0730	0.2428	0.9398	1.1455	0.2167	1.6735	1.7265	2.7715
15	1.3155	0.9180	1.0529	0.2483	0.9447	1.1616	0.2094	1.5509	1.6223	1.4587
20	1.4436	0.9141	1.0319	0.2533	0.9498	1.1769	0.2020	1.4713	1.5592	0.9108
25	1.5912	0.9103	1.0100	0.2576	0.9551	1.1916	0.1945	1.4135	1.5164	0.6232
30	1.7568	0.9067	0.9873	0.2613	0.9607	1.2055	0.1871	1.3686	1.4853	0.4565
35	1.9388	0.9033	0.9638	0.2643	0.9665	1.2187	0.1798	1.3321	1.4617	0.3484
40	2.1359	0.8999	0.9395	0.2665	0.9726	1.2312	0.1727	1.3015	1.4431	0.2754
45	2.3469	0.8968	0.9143	0.2680	0.9790	1.2431	0.1659	1.2749	1.4280	0.2241
50	2.5716	0.8937	0.8883	0.2686	0.9858	1.2545	0.1596	1.2515	1.4154	0.1874
55	2.8108	0.8908	0.8615	0.2684	0.9930	1.2654	0.1541	1.2302	1.4047	0.1607
60	3.0677	0.8880	0.8340	0.2673	1.0008	1.2758	0.1496	1.2106	1.3953	0.1418
65	3.3507	0.8853	0.8056	0.2652	1.0094	1.2859	0.1468	1.1921	1.3868	0.1291
70	3.6787	0.8828	0.7765	0.2623	1.0189	1.2958	0.1467	1.1740	1.3789	0.1226
75	4.1032	0.8804	0.7467	0.2584	1.0299	1.3058	0.1522	1.1556	1.3711	0.1241
80	4.6051	0.8781	0.7161	0.2536	1.0437	1.3164	0.1725	1.1356	1.3628	0.1423
85	7.5327	0.8759	0.6849	0.2479	1.0657	1.3304	0.2985	1.1083	1.3512	0.2672
90	2.4336	0.8738	0.6529	0.2412						
95	2.5564	0.8719	0.6204	0.2337						
100	2.6608	0.8700	0.5872	0.2252						
105	2.7442	0.8683	0.5535	0.2159						
110	2.8038	0.8667	0.5192	0.2057						
115	2.8370	0.8653	0.4843	0.1947						
120	2.8413	0.8639	0.4490	0.1829						
125	2.8143	0.8626	0.4132	0.1704						
130	2.7839	0.8615	0.3770	0.1573						
135	2.6581	0.8605	0.3404	0.1434						
140	2.5251	0.8595	0.3035	0.1290						
145	2.3835	0.8587	0.2663	0.1141						
150	2.1418	0.8580	0.2287	0.0987						
155	1.8892	0.8574	0.1910	0.0829						
160	1.5951	0.8569	0.1530	0.0667						
165	1.2589	0.8566	0.1149	0.0503						
170	0.8808	0.8563	0.0767	0.0336						
175	0.4609	0.8561	0.0384	0.0169						
180	0.	0.8561	0.	0.						

GAMMA = 0.8000

ALPHA = 16.000

K = 1.800

DC = 2.3022

XR = 1.0829

BR = 1.313394

TR = 74.52

CR = 1.3005

QR = 0.1628E 03

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9319	1.0973	0.2251	0.9319	1.0973	0.2251			
5	1.1250	0.9271	1.0790	0.2312	0.9369	1.1148	0.2187	1.8712	1.9019	7.5795
10	1.2219	0.9226	1.0599	0.2370	0.9421	1.1316	0.2121	1.6355	1.6872	2.6343
15	1.3377	0.9182	1.0400	0.2423	0.9475	1.1475	0.2054	1.5159	1.5856	1.3897
20	1.4755	0.9140	1.0192	0.2470	0.9532	1.1628	0.1986	1.4381	1.5239	0.8708
25	1.6353	0.9100	0.9977	0.2512	0.9592	1.1774	0.1918	1.3815	1.4819	0.6009
30	1.8164	0.9062	0.9753	0.2548	0.9655	1.1912	0.1853	1.3372	1.4512	0.4419
35	2.0179	0.9025	0.9521	0.2577	0.9722	1.2045	0.1792	1.3010	1.4277	0.3407
40	2.2401	0.8989	0.9280	0.2599	0.9793	1.2172	0.1736	1.2702	1.4090	0.2731
45	2.4847	0.8955	0.9032	0.2613	0.9870	1.2294	0.1689	1.2432	1.3935	0.2266
50	2.7567	0.8923	0.8775	0.2620	0.9954	1.2412	0.1655	1.2189	1.3803	0.1947
55	3.0674	0.8892	0.8511	0.2617	1.0046	1.2528	0.1644	1.1963	1.3687	0.1739
60	3.4450	0.8862	0.8239	0.2607	1.0151	1.2642	0.1674	1.1745	1.3579	0.1634
65	3.9706	0.8834	0.7959	0.2587	1.0276	1.2761	0.1795	1.1525	1.3474	0.1664
70	5.0056	0.8807	0.7671	0.2559	1.0443	1.2894	0.2225	1.1276	1.3357	0.2036
75	2.0522	0.8782	0.7377	0.2521						
80	2.2190	0.8758	0.7075	0.2475						
85	2.3755	0.8735	0.6766	0.2419						
90	2.5188	0.8713	0.6451	0.2354						
95	2.6461	0.8693	0.6130	0.2280						
100	2.7544	0.8674	0.5802	0.2198						
105	2.8409	0.8656	0.5468	0.2107						
110	2.9027	0.8639	0.5130	0.2008						
115	2.9372	0.8624	0.4785	0.1901						
120	2.9418	0.8610	0.4436	0.1786						
125	2.9140	0.8597	0.4083	0.1664						
130	2.8516	0.8585	0.3725	0.1535						
135	2.7525	0.8574	0.3364	0.1400						
140	2.6149	0.8564	0.2999	0.1260						
145	2.4371	0.8556	0.2631	0.1114						
150	2.2180	0.8548	0.2260	0.0963						
155	1.9565	0.8542	0.1887	0.0809						
160	1.6519	0.8537	0.1512	0.0651						
165	1.3038	0.8533	0.1135	0.0491						
170	0.9122	0.8530	0.0758	0.0328						
175	0.4773	0.8529	0.0379	0.0165						
180	0.	0.8528	0.	0.						

GAMMA = 0.8000

ALPHA = 16.000

K = 2.000

DC = 2.3265

XR = 1.0802

BR = 1.290655

TR = 65.62

CR = 1.1453

QR = 0.1200E 03

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9331	1.0859	0.2213	0.9331	1.0859	0.2213			
5	1.1336	0.9279	1.0677	0.2270	0.9385	1.1033	0.2153	1.8322	1.8621	7.2333
10	1.2366	0.9230	1.0488	0.2324	0.9441	1.1199	0.2092	1.6020	1.6525	2.5188
15	1.3604	0.9183	1.0290	0.2375	0.9501	1.1369	0.2031	1.4853	1.5534	1.3322
20	1.5092	0.9139	1.0085	0.2420	0.9564	1.1511	0.1971	1.4091	1.4929	0.8382
25	1.6833	0.9096	0.9871	0.2461	0.9631	1.1658	0.1914	1.3532	1.4516	0.5820
30	1.8832	0.9055	0.9650	0.2495	0.9703	1.1798	0.1862	1.3094	1.4212	0.4319
35	2.1102	0.9016	0.9420	0.2523	0.9780	1.1933	0.1818	1.2731	1.3976	0.3374
40	2.3683	0.8979	0.9182	0.2544	0.9864	1.2064	0.1787	1.2419	1.3784	0.2755
45	2.6669	0.8943	0.8936	0.2558	0.9956	1.2193	0.1779	1.2140	1.3623	0.2351
50	3.0291	0.8909	0.8683	0.2564	1.0062	1.2320	0.1810	1.1881	1.3480	0.2112
55	3.5172	0.8876	0.8421	0.2562	1.0186	1.2451	0.1924	1.1628	1.3346	0.2042
60	4.3735	0.8845	0.8152	0.2551	1.0347	1.2595	0.2290	1.1359	1.3206	0.2282
65	1.7530	0.8816	0.7875	0.2532						
70	1.9376	0.8788	0.7590	0.2505						
75	2.1174	0.8761	0.7299	0.2468						
80	2.2896	0.8736	0.7000	0.2422						
85	2.4511	0.8712	0.6695	0.2368						
90	2.5991	0.8690	0.6383	0.2304						
95	2.7305	0.8668	0.6065	0.2232						
100	2.8424	0.8649	0.5741	0.2152						
105	2.9317	0.8630	0.5411	0.2063						
110	2.9956	0.8613	0.5076	0.1966						
115	3.0313	0.8597	0.4735	0.1861						
120	3.0361	0.8582	0.4390	0.1748						
125	3.0075	0.8568	0.4040	0.1629						
130	2.9431	0.8556	0.3686	0.1503						
135	2.8409	0.8545	0.3329	0.1371						
140	2.6989	0.8535	0.2968	0.1233						
145	2.5155	0.8526	0.2603	0.1091						
150	2.2893	0.8518	0.2237	0.0943						
155	2.0194	0.8512	0.1867	0.0792						
160	1.7050	0.8507	0.1496	0.0638						
165	1.3457	0.8503	0.1124	0.0481						
170	0.9415	0.8500	0.0750	0.0322						
175	0.4927	0.8498	0.0375	0.0161						
180	0.	0.8497	0.	0.						

GAMMA = 0.8000

ALPHA = 16.000

K = 2.200

DC = 2.3484

XR = 1.0781

BR = 1.271663

TR = 58.71

CR = 1.0246

QR = 0.9393E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9341	1.0761	0.2185	0.9341	1.0761	0.2185			
5	1.1419	0.9286	1.0580	0.2238	0.9399	1.0935	0.2130	1.7977	1.8270	6.9352
10	1.2512	0.9233	1.0392	0.2289	0.9460	1.1101	0.2075	1.5729	1.6223	2.4195
15	1.3840	0.9184	1.0196	0.2337	0.9526	1.1261	0.2022	1.4582	1.5249	1.2836
20	1.5450	0.9136	0.9992	0.2380	0.9595	1.1415	0.1972	1.3832	1.4654	0.8116
25	1.7360	0.9091	0.9780	0.2418	0.9670	1.1563	0.1929	1.3280	1.4245	0.5677
30	1.9594	0.9041	0.9560	0.2451	0.9751	1.1706	0.1896	1.2842	1.3941	0.4260
35	2.2206	0.9007	0.9332	0.2478	0.9839	1.1846	0.1879	1.2476	1.3702	0.3383
40	2.5329	0.8968	0.9097	0.2498	0.9939	1.1984	0.1893	1.2155	1.3504	0.2836
45	2.9286	0.8930	0.8853	0.2511	1.0053	1.2123	0.1962	1.1861	1.3331	0.2529
50	3.5055	0.8895	0.8602	0.2517	1.0193	1.2269	0.2164	1.1572	1.3168	0.2475
55	4.7590	0.8861	0.8342	0.2515	1.0389	1.2441	0.2885	1.1253	1.2990	0.3021
60	1.6124	0.8828	0.8075	0.2504						
65	1.8045	0.8798	0.7801	0.2485						
70	1.9944	0.8769	0.7519	0.2458						
75	2.1794	0.8741	0.7231	0.2422						
80	2.3566	0.8715	0.6935	0.2377						
85	2.5228	0.8690	0.6633	0.2324						
90	2.6752	0.8667	0.6324	0.2261						
95	2.8104	0.8645	0.6008	0.2191						
100	2.9256	0.8624	0.5687	0.2112						
105	3.0175	0.8605	0.5360	0.2024						
110	3.0833	0.8587	0.5028	0.1929						
115	3.1201	0.8571	0.4691	0.1826						
120	3.1250	0.8555	0.4349	0.1716						
125	3.0956	0.8541	0.4002	0.1599						
130	3.0293	0.8529	0.3652	0.1475						
135	2.9241	0.8517	0.3298	0.1346						
140	2.7780	0.8507	0.2940	0.1210						
145	2.5892	0.8498	0.2579	0.1070						
150	2.3565	0.8490	0.2216	0.0926						
155	2.0787	0.8483	0.1850	0.0777						
160	1.7550	0.8478	0.1482	0.0626						
165	1.3852	0.8474	0.1113	0.0472						
170	0.9691	0.8471	0.0743	0.0316						
175	0.5071	0.8469	0.0372	0.0158						
180	0.	0.8469	0.	0.						

GAMMA = 0.8000

ALPHA = 16.000

K = 2.600

DC = 2.3866

XR = 1.0750

BR = 1.241733

TR = 48.60

CR = 0.8482

QR = 0.6446E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9358	1.0603	0.2154	0.9358	1.0603	0.2154			
5	1.1580	0.9296	1.0422	0.2198	0.9424	1.0777	0.2112	1.7390	1.7672	6.4457
10	1.2811	0.9237	1.0235	0.2241	0.9495	1.0945	0.2073	1.5224	1.5701	2.2583
15	1.4340	0.9182	1.0040	0.2282	0.9572	1.1108	0.2041	1.4117	1.4762	1.2067
20	1.6247	0.9130	0.9838	0.2320	0.9655	1.1266	0.2020	1.3385	1.4181	0.7721
25	1.8594	0.9080	0.9628	0.2354	0.9747	1.1421	0.2018	1.2839	1.3775	0.5505
30	2.1512	0.9033	0.9411	0.2384	0.9850	1.1575	0.2050	1.2397	1.3466	0.4259
35	2.5320	0.8988	0.9186	0.2407	0.9970	1.1732	0.2147	1.2013	1.3213	0.3564
40	3.0989	0.8946	0.8954	0.2425	1.0119	1.1898	0.2403	1.1656	1.2987	0.3305
45	4.3532	0.8905	0.8713	0.2437	1.0328	1.2097	0.3289	1.1275	1.2752	0.3848
50	1.2999	0.8867	0.8466	0.2441						
55	1.4978	0.8830	0.8210	0.2438						
60	1.6991	0.8796	0.7947	0.2427						
65	1.9010	0.8763	0.7677	0.2408						
70	2.1007	0.8732	0.7400	0.2382						
75	2.2953	0.8703	0.7116	0.2346						
80	2.4816	0.8675	0.6824	0.2303						
85	2.6565	0.8648	0.6527	0.2251						
90	2.8167	0.8624	0.6223	0.2190						
95	2.9589	0.8601	0.5912	0.2122						
100	3.0800	0.8579	0.5596	0.2045						
105	3.1767	0.8559	0.5275	0.1960						
110	3.2458	0.8540	0.4948	0.1868						
115	3.2844	0.8522	0.4616	0.1768						
120	3.2896	0.8506	0.4279	0.1662						
125	3.2585	0.8491	0.3938	0.1548						
130	3.1888	0.8478	0.3593	0.1428						
135	3.0780	0.8466	0.3245	0.1303						
140	2.9241	0.8455	0.2893	0.1172						
145	2.7254	0.8446	0.2538	0.1036						
150	2.4804	0.8438	0.2180	0.0896						
155	2.1879	0.8431	0.1820	0.0753						
160	1.8473	0.8425	0.1459	0.0606						
165	1.4580	0.8421	0.1095	0.0457						
170	1.0201	0.8417	0.0731	0.0306						
175	0.5338	0.8416	0.0366	0.0153						
180	0.	0.8415	0.	0.						

GAMMA = 0.8000 ALPHA = 16.000 K = 3.000

DC = 2.4193	XR = 1.0728	BR = 1.219212	TR = 41.63	CR = 0.7258	QR = 0.4860E 02					
THETA	SF	K1	B1	S1	K2	B2	S2	X3	B3	S3
0	1.0000	0.9372	1.0480	0.2147	0.9372	1.0480	0.2147			
5	1.1734	0.9303	1.0298	0.2179	0.9446	1.0658	0.2120	1.6905	1.7179	6.0574
10	1.3219	0.9258	1.0110	0.2213	0.9526	1.0827	0.2102	1.4805	1.5269	2.1327
15	1.4889	0.9178	0.9916	0.2247	0.9615	1.0995	0.2099	1.3729	1.4355	1.1497
20	1.7180	0.9121	0.9715	0.2279	0.9714	1.1181	0.2122	1.3008	1.3783	0.7472
25	2.0172	0.9067	0.9507	0.2308	0.9827	1.1328	0.2193	1.2359	1.3374	0.5473
30	2.4335	0.9017	0.9291	0.2334	0.9961	1.1502	0.2367	1.2000	1.3050	0.4454
35	3.1334	0.8969	0.9068	0.2355	1.0135	1.1694	0.2825	1.1874	1.2763	0.4173
40	5.6868	0.8924	0.8838	0.2370	1.0426	1.1980	0.5303	1.1083	1.2438	0.6172
45	1.1621	0.8881	0.8600	0.2379						
50	1.9627	0.8840	0.8355	0.2382						
55	1.5894	0.8801	0.8102	0.2378						
60	1.7796	0.8765	0.7843	0.2367						
65	1.9905	0.8730	0.7576	0.2348						
70	2.1991	0.8697	0.7302	0.2321						
75	2.4022	0.8665	0.7021	0.2286						
80	2.5968	0.8637	0.6734	0.2243						
85	2.7793	0.8610	0.6440	0.2192						
90	2.9465	0.8584	0.6140	0.2133						
95	3.0950	0.8560	0.5833	0.2066						
100	3.2214	0.8537	0.5522	0.1991						
105	3.3222	0.8516	0.5204	0.1909						
110	3.3943	0.8498	0.4882	0.1819						
115	3.4345	0.8478	0.4554	0.1721						
120	3.4397	0.8461	0.4222	0.1617						
125	3.4071	0.8446	0.3885	0.1507						
130	3.3340	0.8432	0.3545	0.1390						
135	3.2181	0.8419	0.3201	0.1268						
140	3.0571	0.8408	0.2854	0.1141						
145	2.8493	0.8398	0.2504	0.1009						
150	2.5931	0.8390	0.2151	0.0872						
155	2.2873	0.8382	0.1796	0.0733						
160	1.9312	0.8377	0.1439	0.0590						
165	1.5242	0.8372	0.1080	0.0445						
170	1.0864	0.8369	0.0721	0.0297						
175	0.5880	0.8367	0.0361	0.0149						
180	0.	0.8366	0.	0.						

GAMMA=0.8000 ALPHA=16.000 K= 4.00

DC= 2.148%8 XR= 1.06924 BR= 1.18152
TR=30.5313 CR= 0.53287 QR=29.71264

THETA	SF	K1	B1	S1
0	1.0000	0.9398	1.0266	0.2191
5	1.2109	0.9311	1.0079	0.2186
10	1.3957	0.9233	0.9887	0.2193
15	1.6565	0.9162	0.9691	0.2207
20	2.0514	0.9095	0.9490	0.2223
25	2.7866	0.9033	0.9282	0.2240
30	0.6922	0.8975	0.9068	0.2255
35	0.8771	0.8921	0.8848	0.2267
40	1.0758	0.8870	0.8621	0.2276
45	1.2860	0.8821	0.8387	0.2280
50	1.5053	0.8776	0.8147	0.2279
55	1.7312	0.8733	0.7899	0.2272
60	1.9608	0.8693	0.7645	0.2258
65	2.1909	0.8655	0.7383	0.2238
70	2.4185	0.8619	0.7116	0.2211
75	2.6401	0.8585	0.6841	0.2176
80	2.8522	0.8553	0.6561	0.2134
85	3.0512	0.8523	0.6274	0.2084
90	3.2334	0.8495	0.5981	0.2027
95	3.3951	0.8469	0.5682	0.1963
100	3.5325	0.8444	0.5378	0.1891
105	3.6421	0.8421	0.5069	0.1812
110	3.7203	0.8408	0.4754	0.1726
115	3.7635	0.8390	0.4435	0.1634
120	3.7885	0.8362	0.4111	0.1535
125	3.7921	0.8346	0.3784	0.1429
130	3.6516	0.8331	0.3452	0.1319
135	3.5241	0.8317	0.3117	0.1203
140	3.3475	0.8305	0.2779	0.1082
145	3.1197	0.8295	0.2438	0.0956
150	2.8389	0.8286	0.2094	0.0827
155	2.5040	0.8278	0.1748	0.0695
160	2.1140	0.8272	0.1401	0.0559
165	1.6684	0.8267	0.1052	0.0421
170	1.1673	0.8264	0.0702	0.0282
175	0.6108	0.8261	0.0351	0.0141
180	0.	0.8261	0.	0.

GAMMA=0.8000 ALPHA=16.000 K= 5.00

DC= 2.15359 XR= 1.06717 BR= 1.15821
TR=24.1762 CR= 0.42195 QR=21.27919

THETA	SF	K1	B1	S1
0	1.0000	0.9413	1.0129	0.2283
5	1.2482	0.9312	0.9933	0.2234
10	1.4939	0.9223	0.9735	0.2210
15	1.8947	0.9142	0.9536	0.2201
20	2.7860	0.9067	0.9332	0.2201
25	0.5756	0.8998	0.9124	0.2205
30	0.7584	0.8934	0.8910	0.2210
35	0.9577	0.8875	0.8691	0.2214
40	1.1713	0.8819	0.8466	0.2217
45	1.3970	0.8767	0.8234	0.2218
50	1.6323	0.8718	0.7996	0.2210
55	1.8744	0.8672	0.7751	0.2200
60	2.1202	0.8628	0.7500	0.2184
65	2.3666	0.8588	0.7243	0.2162
70	2.6101	0.8549	0.6980	0.2134
75	2.8471	0.8513	0.6710	0.2099
80	3.0739	0.8480	0.6434	0.2057
85	3.2865	0.8448	0.6152	0.2008
90	3.4810	0.8418	0.5864	0.1952
95	3.6536	0.8391	0.5571	0.1889
100	3.8001	0.8365	0.5272	0.1819
105	3.9168	0.8341	0.4969	0.1743
110	3.9997	0.8318	0.4660	0.1660
115	4.0451	0.8298	0.4347	0.1570
120	4.0496	0.8279	0.4030	0.1475
125	4.0098	0.8261	0.3708	0.1374
130	3.9226	0.8246	0.3383	0.1267
135	3.7852	0.8232	0.3055	0.1155
140	3.5950	0.8219	0.2723	0.1039
145	3.3500	0.8208	0.2389	0.0919
150	3.0483	0.8199	0.2052	0.0794
155	2.6884	0.8190	0.1713	0.0667
160	2.2896	0.8184	0.1373	0.0537
165	1.7911	0.8179	0.1031	0.0405
170	1.2631	0.8175	0.0688	0.0271
175	0.6557	0.8173	0.0344	0.0136
180	0.	0.8172	0.	0.

GAUSSA=0.8000 ALPHA=16.000 K= 6.00

DC= 215779 KR= 1.06580 BR= 1.14237
TR=20.0231 CR= 0.34947 QR=16.54565

THETA	S7	X1	B1	S1
0	1.0000	0.9424	1.0033	0.2402
5	1.2867	0.9310	0.9827	0.2300
10	1.6130	0.9209	0.9623	0.2243
15	2.2842	0.9120	0.9419	0.2211
20	0.5590	0.9038	0.9213	0.2194
25	0.3251	0.8954	0.9003	0.2186
30	0.8201	0.8895	0.8789	0.2181
35	1.0921	0.8831	0.8570	0.2179
40	1.2589	0.8772	0.8345	0.2175
45	1.4982	0.8716	0.8115	0.2169
50	1.7474	0.8665	0.7879	0.2160
55	2.0036	0.8616	0.7636	0.2147
60	2.2637	0.8571	0.7388	0.2129
65	2.5241	0.8528	0.7133	0.2105
70	2.7814	0.8488	0.6873	0.2076
75	3.0318	0.8450	0.6606	0.2040
80	3.2811	0.8415	0.6334	0.1998
85	3.5255	0.8382	0.6058	0.1950
90	3.7607	0.8351	0.5772	0.1894
95	3.9825	0.8322	0.5483	0.1833
100	4.1988	0.8296	0.5189	0.1764
105	4.4139	0.8270	0.4890	0.1690
110	4.6262	0.8247	0.4586	0.1609
115	4.8334	0.8226	0.4277	0.1522
120	5.0373	0.8206	0.3965	0.1429
125	5.2384	0.8188	0.3649	0.1330
130	5.4360	0.8172	0.3329	0.1227
135	5.6317	0.8157	0.3006	0.1119
140	5.8255	0.8144	0.2679	0.1006
145	6.0173	0.8133	0.2350	0.0889
150	6.2070	0.8123	0.2019	0.0769
155	6.3948	0.8115	0.1685	0.0646
160	6.5806	0.8108	0.1350	0.0520
165	6.7648	0.8103	0.1014	0.0392
170	6.9475	0.8099	0.0677	0.0262
175	7.1288	0.8097	0.0338	0.0131
180	0.	0.8098	0.	0.

GAUSSA=0.8000 ALPHA=16.000 K= 10.00

DC= 215982 KR= 1.06310 BR= 1.10991
TR=11.9849 CR= 0.20743 QR= 6.73042

THETA	S7	X1	B1	S1
0	1.0000	0.9450	0.9830	0.2990
5	1.4587	0.9282	0.9580	0.2611
10	2.7607	0.9146	0.9349	0.2409
15	0.3929	0.9031	0.9128	0.2290
20	0.5849	0.8929	0.8910	0.2214
25	0.7989	0.8838	0.8693	0.2154
30	1.0330	0.8756	0.8475	0.2128
35	1.2853	0.8682	0.8255	0.2102
40	1.5539	0.8613	0.8031	0.2079
45	1.8360	0.8549	0.7803	0.2055
50	2.1289	0.8490	0.7570	0.2039
55	2.4292	0.8435	0.7333	0.2016
60	2.7334	0.8384	0.7090	0.1991
65	3.0375	0.8336	0.6843	0.1962
70	3.3375	0.8292	0.6590	0.1929
75	3.6289	0.8250	0.6332	0.1891
80	3.9070	0.8211	0.6068	0.1849
85	4.1873	0.8175	0.5800	0.1800
90	4.4648	0.8141	0.5527	0.1747
95	4.7417	0.8110	0.5248	0.1687
100	5.0172	0.8080	0.4966	0.1622
105	5.2923	0.8053	0.4678	0.1552
110	5.5650	0.8028	0.4387	0.1476
115	5.8362	0.8006	0.4091	0.1395
120	6.1059	0.7984	0.3791	0.1309
125	6.3747	0.7964	0.3488	0.1218
130	6.6425	0.7947	0.3182	0.1123
135	6.9093	0.7931	0.2873	0.1023
140	7.1751	0.7917	0.2561	0.0920
145	7.4399	0.7905	0.2246	0.0813
150	7.7038	0.7894	0.1929	0.0702
155	7.9668	0.7885	0.1611	0.0590
160	8.2289	0.7878	0.1290	0.0474
165	8.4901	0.7872	0.0969	0.0357
170	8.7504	0.7868	0.0646	0.0239
175	9.0101	0.7866	0.0323	0.0120
180	0.	0.7865	0.	0.

GAUSSA=0.8000 ALPHA=16.000 K= 8.00

DC= 216461 KR= 1.06411 BR= 1.12220
TR=14.9129 CR= 0.126028 QR=11.43424

THETA	S7	X1	B1	S1
0	1.0000	0.9440	0.9908	0.2681
5	1.3702	0.9298	0.9680	0.2453
10	1.9712	0.9179	0.9463	0.2325
15	0.3450	0.9074	0.9250	0.2248
20	0.5199	0.8982	0.9038	0.2200
25	0.7163	0.8898	0.8824	0.2169
30	0.9324	0.8822	0.8608	0.2148
35	1.1663	0.8752	0.8389	0.2132
40	1.4167	0.8687	0.8165	0.2118
45	1.6782	0.8627	0.7936	0.2104
50	1.9512	0.8571	0.7702	0.2089
55	2.2314	0.8519	0.7462	0.2071
60	2.5155	0.8470	0.7217	0.2049
65	2.7997	0.8424	0.6967	0.2022
70	3.0803	0.8381	0.6711	0.1991
75	3.3530	0.8341	0.6449	0.1954
80	3.6136	0.8305	0.6182	0.1912
85	3.8676	0.8269	0.5910	0.1863
90	4.1180	0.8236	0.5632	0.1809
95	4.3778	0.8206	0.5349	0.1749
100	4.6349	0.8178	0.5061	0.1682
105	4.8972	0.8151	0.4769	0.1610
110	5.1670	0.8127	0.4472	0.1532
115	5.4320	0.8105	0.4171	0.1449
120	5.7026	0.8084	0.3866	0.1350
125	5.9736	0.8065	0.3557	0.1266
130	6.2498	0.8048	0.3245	0.1167
135	6.5279	0.8033	0.2930	0.1064
140	6.8049	0.8019	0.2612	0.0956
145	7.0855	0.8008	0.2291	0.0845
150	7.3664	0.7997	0.1968	0.0731
155	7.6471	0.7989	0.1643	0.0613
160	7.9295	0.7982	0.1318	0.0494
165	8.2126	0.7976	0.0988	0.0372
170	8.4969	0.7972	0.0659	0.0249
175	8.7823	0.7970	0.0330	0.0125
180	0.	0.7969	0.	0.

GAUSSA=0.8000 ALPHA=16.000 K= 20.00

DC= 218716 KR= 1.06110 BR= 1.08484
TR= 4.19022 CR= 0.08556 QR= 3.99715

THETA	S7	X1	B1	S1
0	1.0000	0.9466	0.9661	0.4551
5	0.1537	0.9199	0.9313	0.3290
10	0.3621	0.8998	0.9029	0.2741
15	0.5947	0.8844	0.8776	0.2450
20	0.8501	0.8716	0.8539	0.2275
25	1.1278	0.8605	0.8309	0.2160
30	1.4272	0.8507	0.8084	0.2079
35	1.7466	0.8419	0.7860	0.2019
40	2.0838	0.8339	0.7635	0.1972
45	2.4362	0.8267	0.7408	0.1932
50	2.8003	0.8200	0.7179	0.1896
55	3.1723	0.8139	0.6947	0.1862
60	3.5479	0.8082	0.6712	0.1827
65	3.9224	0.8029	0.6472	0.1792
70	4.2966	0.7980	0.6228	0.1754
75	4.6674	0.7934	0.5981	0.1713
80	5.0370	0.7891	0.5729	0.1668
85	5.4037	0.7852	0.5472	0.1620
90	5.7697	0.7815	0.5212	0.1568
95	6.1349	0.7781	0.4947	0.1511
100	6.5075	0.7749	0.4679	0.1450
105	6.8787	0.7720	0.4406	0.1385
110	7.2476	0.7693	0.4130	0.1315
115	7.6153	0.7668	0.3851	0.1241
120	7.9867	0.7645	0.3568	0.1163
125	8.3516	0.7625	0.3282	0.1081
130	8.7167	0.7606	0.2993	0.0995
135	9.0858	0.7589	0.2701	0.0906
140	9.4531	0.7574	0.2407	0.0814
145	9.8232	0.7561	0.2111	0.0719
150	10.1964	0.7550	0.1813	0.0621
155	10.5704	0.7540	0.1514	0.0521
160	10.9467	0.7532	0.1213	0.0419
165	11.3253	0.7527	0.0910	0.0316
170	11.7069	0.7522	0.0607	0.0211
175	12.0927	0.7520	0.0304	0.0106
180	0.	0.7519	0.	0.

GAMMA = 1.0000

ALPHA = 10.000

K = 0.200

DC = 1.8238

XD = 1.6951

BD = 2.089676

W2 = -0.3809E 01

THETA	Y1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8771	1.4726	0.4820	0.8771	1.4726	0.4993			
5	0.9984	0.8756	1.4436	0.4867	0.8785	1.5007	0.4938	2.7469	2.7866	13.3200
10	1.0346	0.8742	1.4137	0.4905	0.8800	1.5280	0.4876	2.4548	2.5239	4.9030
15	1.0924	0.8727	1.3830	0.4933	0.8815	1.5544	0.4806	2.3019	2.3966	2.6423
20	1.1662	0.8713	1.3515	0.4952	0.8829	1.5799	0.4731	2.2016	2.3192	1.6622
25	1.2526	0.8699	1.3191	0.4960	0.8844	1.6046	0.4651	2.1283	2.2668	1.1975
30	1.3489	0.8685	1.2859	0.4957	0.8858	1.6285	0.4565	2.0717	2.2293	0.8200
35	1.4529	0.8671	1.2518	0.4942	0.8873	1.6513	0.4475	2.0262	2.2014	0.6124
40	1.5628	0.8658	1.2169	0.4917	0.8887	1.6737	0.4382	1.9886	2.1800	0.4692
45	1.6766	0.8645	1.1813	0.4880	0.8901	1.6959	0.4286	1.9569	2.1633	0.3663
50	1.7928	0.8632	1.1449	0.4831	0.8915	1.7196	0.4187	1.9299	2.1501	0.2902
55	1.9097	0.8619	1.1076	0.4770	0.8929	1.7353	0.4086	1.9064	2.1395	0.2325
60	2.0258	0.8607	1.0697	0.4697	0.8942	1.7542	0.3985	1.8859	2.1310	0.1880
65	2.1397	0.8595	1.0310	0.4612	0.8956	1.7724	0.3882	1.8679	2.1240	0.1532
70	2.2499	0.8583	0.9916	0.4516	0.8969	1.7898	0.3780	1.8519	2.1183	0.1256
75	2.3551	0.8572	0.9515	0.4407	0.8981	1.8066	0.3678	1.8377	2.1136	0.1035
80	2.4542	0.8561	0.9108	0.4286	0.8994	1.8224	0.3577	1.8249	2.1097	0.0858
85	2.5459	0.8551	0.8694	0.4154	0.9006	1.8376	0.3477	1.8135	2.1065	0.0711
90	2.6291	0.8541	0.8274	0.4011	0.9018	1.8521	0.3380	1.8032	2.1038	0.0592
95	2.7029	0.8532	0.7848	0.3856	0.9030	1.8659	0.3286	1.7939	2.1015	0.0495
100	2.7663	0.8523	0.7417	0.3691	0.9041	1.8791	0.3194	1.7854	2.0997	0.0414
105	2.8186	0.8514	0.6980	0.3515	0.9052	1.8917	0.3106	1.7778	2.0981	0.0348
110	2.8589	0.8506	0.6538	0.3329	0.9062	1.9036	0.3021	1.7708	2.0968	0.0293
115	2.8867	0.8498	0.6091	0.3134	0.9073	1.9149	0.2941	1.7645	2.0957	0.0247
120	2.9015	0.8491	0.5640	0.2929	0.9083	1.9257	0.2865	1.7588	2.0947	0.0209
125	2.9029	0.8485	0.5185	0.2716	0.9092	1.9359	0.2795	1.7535	2.0939	0.0177
130	2.8908	0.8479	0.4726	0.2496	0.9101	1.9456	0.2729	1.7487	2.0933	0.0151
135	2.8645	0.8473	0.4263	0.2268	0.9110	1.9547	0.2669	1.7443	2.0927	0.0129
140	2.8244	0.8466	0.3798	0.2033	0.9118	1.9633	0.2615	1.7403	2.0923	0.0111
145	2.7706	0.8458	0.3329	0.1792	0.9126	1.9715	0.2566	1.7366	2.0919	0.0096
150	2.7031	0.8450	0.2858	0.1546	0.9134	1.9792	0.2524	1.7332	2.0915	0.0084
155	2.6224	0.8447	0.2385	0.1296	0.9141	1.9865	0.2487	1.7301	2.0912	0.0074
160	2.5288	0.8453	0.1910	0.1041	0.9148	1.9933	0.2458	1.7273	2.0910	0.0067
165	2.4230	0.8452	0.1434	0.0784	0.9155	1.9997	0.2436	1.7247	2.0908	0.0061
170	2.3057	0.8451	0.0957	0.0524	0.9161	2.0058	0.2418	1.7223	2.0906	0.0057
175	2.1777	0.8450	0.0478	0.0252	0.9167	2.0113	0.2400	1.7201	2.0905	0.0055
180	2.0401	0.8450	0.	0.	0.9173	2.0169	0.2404	1.7181	2.0904	0.0054

GAMMA = 1.0000

ALPHA = 10.000

K = 0.400

DC = 2.0288

XD = 1.4773

BD = 1.830793

W2 = -0.4085E 01

THETA	Y1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8864	1.3172	0.3789	0.8864	1.3172	0.3966			
5	0.9984	0.8840	1.2917	0.3834	0.8889	1.3419	0.3914	2.4471	2.4825	10.5758
10	1.0335	0.8816	1.2654	0.3872	0.8914	1.3658	0.3856	2.1866	2.2482	3.8992
15	1.0948	0.8793	1.2383	0.3902	0.8939	1.3889	0.3793	2.0501	2.1345	2.1072
20	1.1704	0.8769	1.2104	0.3923	0.8964	1.4112	0.3725	1.9601	2.0650	1.3308
25	1.2588	0.8747	1.1817	0.3936	0.8989	1.4327	0.3653	1.8942	2.0179	0.9146
30	1.3566	0.8724	1.1523	0.3940	0.9014	1.4534	0.3577	1.8431	1.9899	0.6629
35	1.4621	0.8702	1.1221	0.3935	0.9039	1.4734	0.3498	1.8018	1.9584	0.4981
40	1.5732	0.8681	1.0911	0.3920	0.9065	1.4923	0.3417	1.7675	1.9388	0.3841
45	1.6878	0.8660	1.0593	0.3896	0.9090	1.5109	0.3333	1.7385	1.9234	0.3021
50	1.8044	0.8640	1.0269	0.3861	0.9115	1.5286	0.3248	1.7135	1.9111	0.2412
55	1.9213	0.8620	0.9937	0.3817	0.9140	1.5455	0.3162	1.6918	1.9012	0.1949
60	2.0362	0.8601	0.9599	0.3763	0.9165	1.5617	0.3072	1.6727	1.8931	0.1591
65	2.1492	0.8582	0.9253	0.3698	0.9190	1.5772	0.2986	1.6558	1.8864	0.1309
70	2.2581	0.8564	0.8901	0.3624	0.9215	1.5920	0.2900	1.6407	1.8809	0.1084
75	2.3617	0.8547	0.8543	0.3539	0.9239	1.6062	0.2816	1.6272	1.8763	0.0903
80	2.4587	0.8531	0.8178	0.3445	0.9263	1.6196	0.2732	1.6150	1.8725	0.0756
85	2.5481	0.8515	0.7807	0.3341	0.9286	1.6323	0.2651	1.6040	1.8692	0.0635
90	2.6287	0.8500	0.7431	0.3228	0.9310	1.6448	0.2572	1.5940	1.8665	0.0536
95	2.6995	0.8485	0.7049	0.3105	0.9333	1.6564	0.2495	1.5849	1.8642	0.0454
100	2.7597	0.8472	0.6663	0.2973	0.9355	1.6675	0.2421	1.5766	1.8623	0.0385
105	2.8085	0.8459	0.6271	0.2833	0.9377	1.6780	0.2350	1.5690	1.8606	0.0328
110	2.8452	0.8447	0.5874	0.2684	0.9399	1.6880	0.2283	1.5621	1.8592	0.0280
115	2.8692	0.8436	0.5473	0.2528	0.9420	1.6975	0.2219	1.5557	1.8580	0.0240
120	2.8800	0.8425	0.5068	0.2363	0.9441	1.7065	0.2160	1.5498	1.8570	0.0206
125	2.8772	0.8415	0.4659	0.2192	0.9461	1.7150	0.2104	1.5444	1.8561	0.0178
130	2.8606	0.8407	0.4247	0.2015	0.9480	1.7230	0.2053	1.5395	1.8554	0.0154
135	2.8299	0.8398	0.3832	0.1831	0.9499	1.7306	0.2007	1.5349	1.8547	0.0134
140	2.7851	0.8391	0.3413	0.1642	0.9518	1.7378	0.1964	1.5307	1.8542	0.0118
145	2.7262	0.8385	0.2992	0.1448	0.9536	1.7446	0.1927	1.5268	1.8537	0.0104
150	2.6536	0.8379	0.2569	0.1249	0.9553	1.7511	0.1895	1.5232	1.8533	0.0093
155	2.5673	0.8375	0.2144	0.1047	0.9570	1.7571	0.1867	1.5199	1.8529	0.0084
160	2.4680	0.8371	0.1717	0.0841	0.9586	1.7629	0.1844	1.5168	1.8526	0.0077
165	2.3562	0.8368	0.1289	0.0633	0.9602	1.7683	0.1826	1.5139	1.8524	0.0071
170	2.2325	0.8366	0.0860	0.0423	0.9617	1.7733	0.1814	1.5113	1.8522	0.0067
175	2.0978	0.8364	0.0430	0.0212	0.9632	1.7781	0.1806	1.5089	1.8520	0.0065
180	1.9531	0.8364	0.	0.	0.9645	1.7827	0.1804	1.5066	1.8518	0.0064

GAMMA = 1.0000

ALPHA = 10.000

K = 0.600

DC = 2.1543

XD = 1.3224

BD = 1.712849

V2 = -0.3001E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.00000	0.8928	1.2283	0.3314	0.8928	1.2283	0.33473			
5	0.99992	0.88995	1.22145	0.33359	0.8961	1.22613	0.33422	2.2872	2.3202	9.2458
10	1.0388	0.8863	1.1900	0.3397	0.8995	1.2234	0.33565	2.2732	2.1008	3.4180
15	1.1012	0.8832	1.1647	0.3428	0.9029	1.2048	0.3394	1.9160	1.9940	1.8545
20	1.1800	0.8801	1.1387	0.3451	0.9063	1.1823	0.3237	1.8300	1.9283	1.1769
25	1.2714	0.8771	1.1118	0.3466	0.9098	1.1583	0.3167	1.7676	1.8835	0.8136
30	1.3724	0.8742	1.0843	0.3473	0.9134	1.1364	0.3093	1.7189	1.8510	0.5935
35	1.4804	0.8713	1.0559	0.3471	0.9170	1.1087	0.3016	1.6794	1.8265	0.4493
40	1.5934	0.8683	1.0269	0.3451	0.9206	1.0763	0.2937	1.6464	1.8075	0.3493
45	1.7095	0.8658	0.9971	0.3442	0.9242	1.0412	0.2856	1.6182	1.7924	0.2772
50	1.8269	0.8632	0.9666	0.3419	0.9278	1.0033	0.2773	1.5939	1.7803	0.2235
55	1.9438	0.8607	0.9355	0.3376	0.9315	0.9687	0.2689	1.5725	1.7703	0.1826
60	2.0587	0.8582	0.9037	0.3329	0.9352	0.9363	0.2605	1.5537	1.7622	0.1507
65	2.1701	0.8559	0.8712	0.3274	0.9388	0.9074	0.2521	1.5368	1.7553	0.1256
70	2.2766	0.8536	0.8381	0.3209	0.9425	0.8807	0.2438	1.5216	1.7496	0.1054
75	2.3770	0.8515	0.8044	0.3135	0.9462	0.8504	0.2356	1.5079	1.7448	0.0891
80	2.4699	0.8494	0.7701	0.3052	0.9498	0.8193	0.2275	1.4955	1.7407	0.0757
85	2.5543	0.8474	0.7352	0.2961	0.9535	0.7869	0.2196	1.4841	1.7372	0.0647
90	2.6291	0.8455	0.6998	0.2861	0.9571	0.7578	0.2119	1.4737	1.7342	0.0556
95	2.6933	0.8437	0.6639	0.2753	0.9607	0.7261	0.2044	1.4641	1.7317	0.0479
100	2.7463	0.8420	0.6274	0.2638	0.9643	0.6978	0.1973	1.4553	1.7295	0.0415
105	2.7870	0.8404	0.5905	0.2512	0.9679	0.6680	0.1905	1.4472	1.7276	0.0361
110	2.8151	0.8389	0.5532	0.2380	0.9714	0.6377	0.1840	1.4396	1.7259	0.0316
115	2.8298	0.8375	0.5154	0.2241	0.9749	0.6089	0.1778	1.4326	1.7245	0.0277
120	2.8308	0.8362	0.4773	0.2096	0.9783	0.5812	0.1721	1.4261	1.7232	0.0244
125	2.8177	0.8350	0.4388	0.1944	0.9817	0.5590	0.1667	1.4200	1.7221	0.0216
130	2.7904	0.8339	0.4000	0.1787	0.9851	0.5309	0.1618	1.4144	1.7211	0.0193
135	2.7487	0.8329	0.3609	0.1624	0.9883	0.5012	0.1573	1.4091	1.7203	0.0173
140	2.6926	0.8320	0.3215	0.1453	0.9916	0.4684	0.1533	1.4041	1.7196	0.0156
145	2.6223	0.8312	0.2818	0.1284	0.9948	0.4324	0.1497	1.3995	1.7189	0.0142
150	2.5381	0.8306	0.2419	0.1108	0.9979	0.3926	0.1466	1.3952	1.7183	0.0131
155	2.4403	0.8300	0.2019	0.0928	1.0010	0.3486	0.1439	1.3911	1.7178	0.0121
160	2.3295	0.8295	0.1617	0.0746	1.0040	0.3004	0.1418	1.3873	1.7174	0.0114
165	2.2063	0.8292	0.1214	0.0562	1.0070	0.2483	0.1401	1.3837	1.7170	0.0108
170	2.0714	0.8289	0.0810	0.0375	1.0099	0.1948	0.1388	1.3803	1.7166	0.0104
175	1.9233	0.8287	0.0405	0.0188	1.0127	0.1389	0.1380	1.3771	1.7163	0.0102
180	1.7703	0.8287	0.	0.	1.0156	0.0856	0.1378	1.3741	1.7161	0.0101

GAMMA = 1.0000

ALPHA = 10.000

K = 0.600

DC = 2.2456

XR = 1.1725

BR = 1.602796

TR = 137.24

CR = 3.8880

QR = 0.5167E 04

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.00000	0.8975	1.1882	0.3040	0.8975	1.1882	0.3040			
5	0.99993	0.8934	1.1655	0.3088	0.9016	1.2101	0.2990	2.1798	2.2113	8.4101
10	1.0401	0.8895	1.1420	0.3121	0.9058	1.2313	0.2938	1.9466	2.0016	3.1192
15	1.1040	0.8857	1.1178	0.3152	0.9101	1.2517	0.2874	1.8298	1.8992	1.7000
20	1.1843	0.8820	1.0928	0.3174	0.9144	1.2714	0.2808	1.7419	1.8358	1.0847
25	1.2766	0.8783	1.0671	0.3189	0.9189	1.2903	0.2738	1.6814	1.7923	0.7548
30	1.3780	0.8748	1.0406	0.3197	0.9234	1.3084	0.2664	1.6360	1.7605	0.5544
35	1.4859	0.8714	1.0135	0.3196	0.9280	1.3258	0.2587	1.5952	1.7363	0.4230
40	1.5980	0.8681	0.9856	0.3187	0.9327	1.3425	0.2507	1.5587	1.7174	0.3313
45	1.7123	0.8649	0.9570	0.3170	0.9375	1.3584	0.2424	1.5247	1.7022	0.2659
50	1.8269	0.8618	0.9278	0.3145	0.9423	1.3736	0.2339	1.4910	1.6899	0.2168
55	1.9400	0.8588	0.8979	0.3111	0.9472	1.3881	0.2255	1.4588	1.6797	0.1792
60	2.0499	0.8559	0.8673	0.3068	0.9521	1.4020	0.2166	1.4269	1.6711	0.1499
65	2.1550	0.8531	0.8362	0.3017	0.9571	1.4151	0.2078	1.3952	1.6639	0.1266
70	2.2538	0.8505	0.8044	0.2957	0.9622	1.4276	0.1991	1.3655	1.6578	0.1079
75	2.3449	0.8479	0.7720	0.2889	0.9673	1.4394	0.1903	1.3371	1.6525	0.0927
80	2.4270	0.8455	0.7391	0.2813	0.9724	1.4507	0.1816	1.3098	1.6479	0.0802
85	2.4987	0.8432	0.7056	0.2729	0.9776	1.4613	0.1731	1.2836	1.6440	0.0699
90	2.5598	0.8410	0.6716	0.2636	0.9829	1.4714	0.1647	1.2582	1.6405	0.0612
95	2.6069	0.8389	0.6371	0.2536	0.9882	1.4808	0.1564	1.2346	1.6374	0.0540
100	2.6412	0.8370	0.6021	0.2429	0.9935	1.4898	0.1483	1.2124	1.6347	0.0478
105	2.6612	0.8351	0.5667	0.2314	0.9988	1.4982	0.1405	1.1913	1.6323	0.0426
110	2.6660	0.8334	0.5308	0.2193	1.0042	1.5062	0.1329	1.1714	1.6301	0.0381
115	2.6550	0.8318	0.4946	0.2065	1.0097	1.5138	0.1255	1.1526	1.6282	0.0343
120	2.6276	0.8303	0.4580	0.1930	1.0151	1.5207	0.1185	1.1351	1.6265	0.0310
125	2.5832	0.8289	0.4210	0.1791	1.0206	1.5272	0.1117	1.1187	1.6249	0.0282
130	2.5214	0.8277	0.3838	0.1645	1.0262	1.5334	0.1051	1.1032	1.6234	0.0257
135	2.4440	0.8265	0.3462	0.1495	1.0317	1.5392	0.0989	1.0887	1.6221	0.0236
140	2.3427	0.8255	0.3084	0.1341	1.0373	1.5446	0.0930	1.0751	1.6209	0.0218
145	2.2607	0.8246	0.2704	0.1182	1.0430	1.5497	0.0876	1.0624	1.6198	0.0204
150	2.1721	0.8238	0.2321	0.1020	1.0487	1.5545	0.0828	1.0507	1.6187	0.0192
155	2.0620	0.8232	0.1937	0.0854	1.0545	1.5590	0.0785	1.0399	1.6177	0.0184
160	2.0474	0.8226	0.1551	0.0687	1.0603	1.5631	0.0747	1.0301	1.6168	0.0182
165	2.3332	0.8222	0.1165	0.0517	1.0662	1.5670	0.0716	1.0215	1.6159	0.0186
170	2.1849	0.8219	0.0777	0.0345	1.0723	1.5707	0.0691	1.0134	1.6151	0.0196
175	2.0320	0.8217	0.0389	0.0173	1.0784	1.5742	0.0670	1.0058	1.6143	0.0201
180	1.8751	0.8217	0.	0.	1.0847	1.5774	0.0654	1.0000	1.6135	0.0209

GAMMA = 1.0000

ALPHA = 10.000

K = 1.000

DC = 2.3178

XR = 1.1482

BR = 1.519026

TR = 141.22

CR = 2.4648

QR = 0.5257E 03

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9011	1.1529	0.2867	0.9011	1.1529	0.2867			
5	1.0017	0.8964	1.1308	0.2908	0.9059	1.1742	0.2820	2.1001	2.1305	7.8185
10	1.0474	0.8918	1.1080	0.2943	0.9109	1.1948	0.2768	1.8749	1.9279	2.9107
15	1.1170	0.8873	1.0844	0.2971	0.9161	1.2146	0.2710	1.7554	1.8282	1.5943
20	1.2033	0.8830	1.0602	0.2993	0.9213	1.2337	0.2648	1.6755	1.7662	1.0233
25	1.3020	0.8788	1.0352	0.3007	0.9267	1.2521	0.2582	1.6162	1.7234	0.7168
30	1.4101	0.8748	1.0095	0.3014	0.9323	1.2697	0.2512	1.5693	1.6919	0.5308
35	1.5248	0.8709	0.9831	0.3013	0.9379	1.2866	0.2439	1.5308	1.6677	0.4087
40	1.6440	0.8671	0.9560	0.3004	0.9437	1.3028	0.2364	1.4982	1.6486	0.3239
45	1.7657	0.8634	0.9282	0.2988	0.9497	1.3183	0.2286	1.4700	1.6330	0.2627
50	1.8879	0.8599	0.8998	0.2963	0.9558	1.3331	0.2207	1.4452	1.6202	0.2170
55	2.0089	0.8565	0.8708	0.2931	0.9621	1.3472	0.2127	1.4230	1.6095	0.1822
60	2.1273	0.8533	0.8411	0.2890	0.9685	1.3606	0.2046	1.4030	1.6003	0.1550
65	2.2414	0.8502	0.8108	0.2841	0.9750	1.3734	0.1965	1.3847	1.5925	0.1336
70	2.3500	0.8472	0.7799	0.2784	0.9818	1.3856	0.1885	1.3678	1.5856	0.1165
75	2.4520	0.8443	0.7485	0.2720	0.9887	1.3972	0.1806	1.3521	1.5796	0.1027
80	2.5463	0.8416	0.7165	0.2647	0.9958	1.4082	0.1728	1.3374	1.5742	0.0915
85	2.6322	0.8391	0.6840	0.2567	1.0032	1.4186	0.1653	1.3236	1.5694	0.0824
90	2.7092	0.8366	0.6510	0.2480	1.0108	1.4285	0.1580	1.3103	1.5650	0.0750
95	2.7771	0.8343	0.6175	0.2385	1.0186	1.4379	0.1512	1.2976	1.5610	0.0691
100	2.8364	0.8321	0.5836	0.2284	1.0267	1.4469	0.1447	1.2853	1.5573	0.0646
105	2.8879	0.8301	0.5492	0.2176	1.0353	1.4554	0.1388	1.2733	1.5538	0.0612
110	2.9341	0.8282	0.5145	0.2061	1.0442	1.4636	0.1336	1.2613	1.5504	0.0590
115	2.9793	0.8264	0.4793	0.1940	1.0537	1.4716	0.1294	1.2493	1.5471	0.0581
120	3.0321	0.8247	0.4438	0.1814	1.0640	1.4789	0.1266	1.2370	1.5438	0.0589
125	3.1108	0.8232	0.4080	0.1682	1.0752	1.4864	0.1261	1.2241	1.5404	0.0621
130	3.2617	0.8218	0.3719	0.1546	1.0881	1.4938	0.1302	1.2100	1.5367	0.0699
135	3.4683	0.8206	0.3355	0.1404	1.1039	1.5018	0.1467	1.1932	1.5322	0.0902
140	6.1493	0.8195	0.2988	0.1259	1.1291	1.5123	0.2677	1.1673	1.5250	0.2123
145	1.1805	0.8185	0.2620	0.1110						
150	1.0655	0.8176	0.2249	0.0957						
155	0.9326	0.8169	0.1877	0.0802						
160	0.7818	0.8163	0.1503	0.0645						
165	0.6131	0.8159	0.1128	0.0485						
170	0.4264	0.8155	0.0753	0.0324						
175	0.2219	0.8153	0.0376	0.0162						
180	0.	0.8153	0.	0.						

GAMMA = 1.0000

ALPHA = 10.000

K = 1.200

DC = 2.3778

XR = 1.1352

BR = 1.458241

TR = 107.64

CR = 1.8787

QR = 0.1981E 03

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9040	1.1264	0.2753	0.9040	1.1264	0.2753			
5	1.0048	0.8986	1.1047	0.2791	0.9096	1.1474	0.2711	2.0367	2.0662	7.3708
10	1.0561	0.8934	1.0823	0.2823	0.9153	1.1677	0.2663	1.8174	1.8688	2.7554
15	1.1323	0.8884	1.0592	0.2848	0.9213	1.1872	0.2610	1.7008	1.7716	1.5170
20	1.2259	0.8835	1.0354	0.2867	0.9274	1.2060	0.2553	1.6222	1.7105	0.9799
25	1.3326	0.8788	1.0109	0.2879	0.9338	1.2242	0.2493	1.5636	1.6681	0.6914
30	1.4494	0.8743	0.9857	0.2884	0.9403	1.2418	0.2430	1.5169	1.6365	0.5165
35	1.5738	0.8700	0.9598	0.2882	0.9471	1.2583	0.2365	1.4783	1.6120	0.4017
40	1.7036	0.8658	0.9333	0.2873	0.9542	1.2744	0.2298	1.4453	1.5924	0.3223
45	1.8373	0.8617	0.9061	0.2856	0.9615	1.2898	0.2230	1.4164	1.5763	0.2651
50	1.9733	0.8578	0.8783	0.2831	0.9690	1.3046	0.2162	1.3907	1.5628	0.2227
55	2.1105	0.8541	0.8499	0.2799	0.9769	1.3187	0.2094	1.3675	1.5513	0.1907
60	2.2480	0.8506	0.8208	0.2759	0.9852	1.3323	0.2028	1.3462	1.5413	0.1663
65	2.3856	0.8472	0.7912	0.2712	0.9938	1.3453	0.1966	1.3263	1.5324	0.1475
70	2.5239	0.8439	0.7610	0.2657	1.0029	1.3578	0.1908	1.3075	1.5244	0.1332
75	2.6645	0.8408	0.7303	0.2594	1.0125	1.3699	0.1857	1.2896	1.5171	0.1226
80	2.8112	0.8378	0.6990	0.2524	1.0227	1.3815	0.1818	1.2722	1.5102	0.1155
85	2.9717	0.8350	0.6673	0.2447	1.0339	1.3929	0.1794	1.2549	1.5037	0.1117
90	3.1627	0.8324	0.6350	0.2363	1.0461	1.4041	0.1800	1.2373	1.4972	0.1122
95	3.4241	0.8299	0.6023	0.2272	1.0601	1.4153	0.1859	1.2189	1.4904	0.1192
100	3.8821	0.8275	0.5692	0.2175	1.0770	1.4272	0.2056	1.1981	1.4829	0.1406
105	5.3376	0.8253	0.5367	0.2071	1.1010	1.4416	0.2906	1.1708	1.4727	0.2284
110	1.5341	0.8232	0.5017	0.1962						
115	1.5321	0.8213	0.4674	0.1848						
120	1.5157	0.8195	0.4328	0.1726						
125	1.4839	0.8179	0.3978	0.1600						
130	1.4363	0.8164	0.3626	0.1470						
135	1.3721	0.8151	0.3271	0.1335						
140	1.2910	0.8139	0.2913	0.1197						
145	1.1925	0.8128	0.2554	0.1055						
150	1.0762	0.8119	0.2192	0.0910						
155	0.9419	0.8111	0.1829	0.0762						
160	0.7896	0.8105	0.1465	0.0613						
165	0.6191	0.8100	0.1100	0.0461						
170	0.4305	0.8096	0.0734	0.0308						
175	0.2241	0.8094	0.0367	0.0154						
180	0.	0.8093	0.	0.						

GAMMA = 1.0000

ALPHA = 10.000

K = 1.400

DC = 2.4293

XR = 1.1269

BR = 1.412363

TR = 88.01

CR = 1.5360

QR = 0.1105E 03

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9064	1.1058	0.2678	0.9064	1.1058	0.2678			
5	1.0084	0.9004	1.0843	0.2711	0.9126	1.1266	0.2641	1.9847	2.0134	7.0158
10	1.0660	0.8946	1.0621	0.2739	0.9191	1.1467	0.2599	1.7702	1.8204	2.6340
15	1.1496	0.8890	1.0393	0.2760	0.9259	1.1661	0.2553	1.6554	1.7246	1.4582
20	1.2517	0.8837	1.0168	0.2776	0.9329	1.1849	0.2504	1.5778	1.6641	0.9481
25	1.3682	0.8785	0.9916	0.2786	0.9403	1.2030	0.2453	1.5194	1.6217	0.6744
30	1.4961	0.8736	0.9668	0.2788	0.9479	1.2205	0.2400	1.4726	1.5899	0.5086
35	1.6336	0.8688	0.9413	0.2784	0.9559	1.2374	0.2347	1.4335	1.5649	0.4003
40	1.7791	0.8643	0.9151	0.2774	0.9643	1.2536	0.2295	1.3998	1.5447	0.3258
45	1.9321	0.8599	0.8884	0.2755	0.9732	1.2693	0.2245	1.3700	1.5277	0.2728
50	2.0925	0.8557	0.8610	0.2730	0.9826	1.2845	0.2199	1.3430	1.5133	0.2344
55	2.2617	0.8517	0.8330	0.2698	0.9926	1.2992	0.2160	1.3181	1.5005	0.2065
60	2.4431	0.8478	0.8045	0.2658	1.0033	1.3135	0.2133	1.2946	1.4891	0.1867
65	2.6441	0.8441	0.7754	0.2611	1.0150	1.3276	0.2125	1.2721	1.4785	0.1741
70	2.8810	0.8406	0.7457	0.2557	1.0279	1.3416	0.2151	1.2498	1.4684	0.1685
75	3.1924	0.8373	0.7155	0.2496	1.0427	1.3557	0.2242	1.2269	1.4583	0.1724
80	3.6979	0.8341	0.6849	0.2428	1.0607	1.3707	0.2494	1.2021	1.4474	0.1946
85	5.10876	0.8311	0.6537	0.2353	1.0861	1.3887	0.3461	1.1708	1.4335	0.2902
90	1.4367	0.8283	0.6220	0.2271						
95	1.4781	0.8256	0.5900	0.2183						
100	1.5145	0.8231	0.5575	0.2089						
105	1.5388	0.8208	0.5246	0.1989						
110	1.5502	0.8186	0.4913	0.1883						
115	1.5478	0.8165	0.4577	0.1772						
120	1.5308	0.8146	0.4237	0.1656						
125	1.4984	0.8129	0.3895	0.1535						
130	1.4500	0.8113	0.3550	0.1410						
135	1.3860	0.8099	0.3202	0.1280						
140	1.3028	0.8086	0.2852	0.1147						
145	1.2032	0.8075	0.2500	0.1011						
150	1.0857	0.8065	0.2146	0.0872						
155	0.9502	0.8057	0.1791	0.0731						
160	0.7964	0.8050	0.1434	0.0587						
165	0.6244	0.8045	0.1077	0.0442						
170	0.4342	0.8041	0.0718	0.0295						
175	0.2260	0.8039	0.0359	0.0148						
180	0.	0.8036	0.	0.						

GAMMA = 1.0000

ALPHA = 10.000

K = 1.600

DC = 2.4747

XR = 1.1211

BR = 1.376548

TR = 74.82

CR = 1.3058

QR = 0.7381E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9084	1.0892	0.2630	0.9084	1.0892	0.2630			
5	1.0124	0.9018	1.0678	0.2657	0.9153	1.1099	0.2599	1.9407	1.9688	6.7252
10	1.0769	0.8954	1.0457	0.2679	0.9225	1.1300	0.2564	1.7301	1.7793	2.5363
15	1.1688	0.8894	1.0231	0.2697	0.9301	1.1495	0.2527	1.6166	1.6844	1.4122
20	1.2806	0.8836	0.9997	0.2709	0.9380	1.1684	0.2489	1.5395	1.6242	0.9247
25	1.4087	0.8780	0.9758	0.2715	0.9464	1.1867	0.2450	1.4811	1.5816	0.6635
30	1.5508	0.8726	0.9512	0.2715	0.9552	1.2045	0.2413	1.4399	1.5494	0.5059
35	1.7061	0.8675	0.9259	0.2709	0.9646	1.2217	0.2379	1.3941	1.5238	0.4037
40	1.8749	0.8626	0.9001	0.2696	0.9746	1.2385	0.2352	1.3594	1.5026	0.3345
45	2.0594	0.8579	0.8737	0.2677	0.9854	1.2549	0.2335	1.3281	1.4845	0.2867
50	2.2651	0.8534	0.8466	0.2650	0.9971	1.2710	0.2336	1.2991	1.4686	0.2543
55	2.5038	0.8491	0.8190	0.2617	1.0100	1.2870	0.2368	1.2716	1.4541	0.2345
60	2.8035	0.8451	0.7909	0.2577	1.0247	1.3032	0.2459	1.2445	1.4402	0.2272
65	3.2408	0.8411	0.7622	0.2530	1.0423	1.3202	0.2682	1.2164	1.4262	0.2381
70	4.11378	0.8374	0.7329	0.2477	1.0653	1.3394	0.3342	1.1843	1.4102	0.2964
75	1.2480	0.8339	0.7032	0.2416						
80	1.3224	0.8306	0.6730	0.2349						
85	1.3889	0.8274	0.6423	0.2276						
90	1.4464	0.8244	0.6111	0.2196						
95	1.4937	0.8216	0.5796	0.2110						
100	1.5299	0.8189	0.5476	0.2018						
105	1.5540	0.8164	0.5153	0.1921						
110	1.5651	0.8141	0.4825	0.1818						
115	1.5622	0.8120	0.4495	0.1711						
120	1.5446	0.8100	0.4161	0.1598						
125	1.5116	0.8082	0.3825	0.1481						
130	1.4624	0.8063	0.3486	0.1360						
135	1.3966	0.8050	0.3144	0.1235						
140	1.3136	0.8037	0.2800	0.1106						
145	1.2129	0.8025	0.2454	0.0975						
150	1.0943	0.8015	0.2107	0.0841						
155	0.9576	0.8006	0.1758	0.0704						
160	0.8026	0.7999	0.1408	0.0566						
165	0.6292	0.7994	0.1057	0.0426						
170	0.4375	0.7990	0.0705	0.0284						
175	0.2277	0.7987	0.0353	0.0142						
180	0.	0.7987	0.	0.						

GAMMA = 1.0000

ALPHA = 10.000

K = 1.000

DC = 2.5153

XR = 1.1167

BR = 1.347819

TR = 65.24

CR = 1.1386

QR = 0.5452E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9101	1.0755	0.2600	0.9101	1.0755	0.2600			
5	1.0067	0.9029	1.0541	0.2621	0.9176	1.0963	0.2577	1.9026	1.9902	6.4817
10	1.0087	0.8960	1.0321	0.2638	0.9256	1.1165	0.2552	1.6947	1.7430	2.4563
15	1.1896	0.8895	1.0095	0.2650	0.9340	1.1362	0.2526	1.5827	1.6493	1.3757
20	1.3125	0.8832	0.9863	0.2658	0.9429	1.1593	0.2501	1.5058	1.5892	0.9075
25	1.4543	0.8773	0.9624	0.2661	0.9524	1.1740	0.2480	1.4472	1.5463	0.6574
30	1.6147	0.8716	0.9380	0.2658	0.9625	1.1922	0.2465	1.3994	1.5134	0.5076
35	1.7946	0.8661	0.9130	0.2649	0.9734	1.2101	0.2461	1.3586	1.4869	0.4119
40	1.9989	0.8609	0.8874	0.2634	0.9853	1.2278	0.2476	1.3223	1.4645	0.3493
45	2.2382	0.8559	0.8612	0.2613	0.9985	1.2454	0.2524	1.2889	1.4448	0.3096
50	2.5381	0.8512	0.8344	0.2585	1.0136	1.2633	0.2635	1.2570	1.4267	0.2893
55	2.9670	0.8466	0.8071	0.2551	1.0315	1.2821	0.2883	1.2248	1.4090	0.2918
60	3.4792	0.8423	0.7793	0.2511	1.0549	1.3034	0.3668	1.1892	1.3896	0.3444
65	1.0938	0.8382	0.7509	0.2464						
70	1.1809	0.8343	0.7220	0.2410						
75	1.2624	0.8306	0.6926	0.2350						
80	1.3371	0.8271	0.6628	0.2284						
85	1.4057	0.8238	0.6325	0.2211						
90	1.4611	0.8206	0.6018	0.2133						
95	1.5084	0.8177	0.5706	0.2049						
100	1.5444	0.8149	0.5391	0.1959						
105	1.5682	0.8123	0.5072	0.1864						
110	1.5789	0.8099	0.4750	0.1764						
115	1.5755	0.8077	0.4424	0.1659						
120	1.5574	0.8056	0.4096	0.1549						
125	1.5237	0.8037	0.3764	0.1435						
130	1.4738	0.8020	0.3430	0.1318						
135	1.4072	0.8004	0.3094	0.1196						
140	1.3233	0.7990	0.2756	0.1072						
145	1.2217	0.7978	0.2415	0.0944						
150	1.1021	0.7967	0.2073	0.0814						
155	0.9643	0.7958	0.1730	0.0682						
160	0.8081	0.7951	0.1385	0.0548						
165	0.6335	0.7945	0.1040	0.0412						
170	0.4405	0.7941	0.0694	0.0275						
175	0.2292	0.7939	0.0347	0.0138						
180	0.	0.7938	0.	0.						

GAMMA = 1.0000

ALPHA = 10.000

K = 2.000

DC = 2.5221

XR = 1.1133

BR = 1.324262

TR = 57.92

CR = 1.0109

QR = 0.4288E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9115	1.0640	0.2585	0.9115	1.0640	0.2585			
5	1.0215	0.9038	1.0425	0.2598	0.9197	1.0849	0.2570	1.9088	1.8959	5.2744
10	1.1013	0.8964	1.0205	0.2609	0.9284	1.1054	0.2556	1.6637	1.7113	2.3892
15	1.2120	0.8894	0.9979	0.2616	0.9377	1.1253	0.2544	1.5525	1.6181	1.3464
20	1.3475	0.8828	0.9747	0.2619	0.9475	1.1446	0.2537	1.4457	1.5580	0.8953
25	1.5062	0.8764	0.9510	0.2618	0.9582	1.1640	0.2539	1.3466	1.5146	0.6555
30	1.6898	0.8704	0.9267	0.2612	0.9697	1.1829	0.2556	1.2600	1.4808	0.5136
35	1.9046	0.8646	0.9018	0.2601	0.9825	1.2018	0.2608	1.1825	1.4531	0.4256
40	2.1660	0.8591	0.8764	0.2583	0.9968	1.2208	0.2691	1.1274	1.4291	0.3726
45	2.5121	0.8539	0.8504	0.2560	1.0135	1.2405	0.2879	1.0809	1.4071	0.3482
50	3.0618	0.8489	0.8238	0.2531	1.0341	1.2618	0.3909	1.0237	1.3852	0.3608
55	4.1335	0.8442	0.7967	0.2496	1.0640	1.2883	0.4844	1.1697	1.3594	0.4926
60	1.0143	0.8396	0.7692	0.2455						
65	1.1067	0.8353	0.7411	0.2407						
70	1.1944	0.8313	0.7125	0.2353						
75	1.2762	0.8274	0.6834	0.2294						
80	1.3510	0.8237	0.6539	0.2228						
85	1.4177	0.8203	0.6239	0.2156						
90	1.4751	0.8170	0.5936	0.2079						
95	1.5222	0.8139	0.5628	0.1996						
100	1.5580	0.8111	0.5317	0.1908						
105	1.5814	0.8084	0.5002	0.1815						
110	1.5917	0.8059	0.4684	0.1717						
115	1.5879	0.8035	0.4362	0.1614						
120	1.5692	0.8014	0.4038	0.1507						
125	1.5349	0.7994	0.3711	0.1396						
130	1.4843	0.7977	0.3382	0.1281						
135	1.4169	0.7960	0.3050	0.1163						
140	1.3322	0.7946	0.2716	0.1042						
145	1.2298	0.7933	0.2381	0.0918						
150	1.1092	0.7922	0.2043	0.0791						
155	0.9704	0.7913	0.1705	0.0663						
160	0.8132	0.7906	0.1368	0.0532						
165	0.6374	0.7900	0.1025	0.0400						
170	0.4432	0.7895	0.0684	0.0267						
175	0.2306	0.7893	0.0342	0.0134						
180	0.	0.7892	0.	0.						

GAMMA = 1.0000

ALPHA = 10.000

K = 21200

DC = 2.5859

RR = 1.1105

BR = 1.1304593

TR = 52.13

CR = 0.9099

QR = 0.3520E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.99128	1.0542	0.2581	0.9128	1.0542	0.2581			
5	1.0265	0.99042	1.0326	0.2585	0.9216	1.0794	0.2576	1.8887	1.8654	8.10949
10	1.1145	0.8966	1.0105	0.2589	0.9310	1.0961	0.2575	1.6361	1.8829	2.13228
15	1.2360	0.8892	0.9879	0.2591	0.9412	1.1164	0.2579	1.5254	1.8901	2.13228
20	1.3858	0.8822	0.9647	0.2590	0.9521	1.1364	0.2594	1.4484	1.5397	0.8873
25	1.5647	0.8755	0.9410	0.2585	0.9640	1.1563	0.2627	1.3887	1.4856	0.6575
30	1.7790	0.8691	0.9168	0.2575	0.9772	1.1761	0.2691	1.3388	1.5500	0.5244
35	2.0456	0.8631	0.8920	0.2560	0.9922	1.1963	0.2812	1.2948	1.6215	0.4568
40	2.4077	0.8573	0.8667	0.2541	1.0098	1.2174	0.3051	1.2535	1.6952	0.4100
45	3.0101	0.8519	0.8409	0.2516	1.0319	1.2407	0.3606	1.2117	1.8693	0.4236
50	4.9098	0.8466	0.8145	0.2485	1.0662	1.2713	0.6930	1.1611	1.3378	0.6262
55	0.9301	0.8417	0.7876	0.2449						
60	1.0265	0.8370	0.7602	0.2407						
65	1.1193	0.8325	0.7324	0.2358						
70	1.2873	0.8283	0.7040	0.2305						
75	1.2894	0.8243	0.6752	0.2245						
80	1.3643	0.8205	0.6460	0.2179						
85	1.4309	0.8169	0.6164	0.2108						
90	1.4883	0.8135	0.5863	0.2032						
95	1.5352	0.8104	0.5559	0.1950						
100	1.5707	0.8074	0.5251	0.1863						
105	1.5938	0.8046	0.4939	0.1772						
110	1.6037	0.8020	0.4625	0.1676						
115	1.5994	0.7996	0.4307	0.1575						
120	1.5801	0.7974	0.3987	0.1470						
125	1.5452	0.7954	0.3664	0.1361						
130	1.4940	0.7935	0.3338	0.1249						
135	1.4259	0.7919	0.3011	0.1134						
140	1.3404	0.7904	0.2681	0.1015						
145	1.2371	0.7891	0.2350	0.0894						
150	1.1157	0.7880	0.2017	0.0771						
155	0.9760	0.7870	0.1683	0.0645						
160	0.8177	0.7862	0.1348	0.0518						
165	0.6409	0.7856	0.1011	0.0390						
170	0.4456	0.7852	0.0675	0.0261						
175	0.2319	0.7850	0.0337	0.0130						
180	0.	0.7849	0.	0.						

GAMMA = 1.0000

ALPHA = 10.000

K = 21600

DC = 2.16463

RR = 1.11064

BR = 1.1273610

TR = 43.52

CR = 0.7595

QR = 0.2578E 02

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.99149	1.0385	0.2596	0.9149	1.0983	0.2596			
5	1.0371	0.99053	1.0165	0.2582	0.9250	1.0601	0.2615	1.7871	1.8131	5.17984
10	1.1429	0.8967	0.9941	0.2571	0.9359	1.0818	0.2645	1.5882	1.8938	2.12415
15	1.2888	0.8885	0.9713	0.2561	0.9478	1.1028	0.2692	1.4778	1.8410	1.8292
20	1.4737	0.8807	0.9481	0.2549	0.9610	1.1242	0.2769	1.4000	1.6797	0.8820
25	1.7081	0.8734	0.9244	0.2536	0.9759	1.1460	0.2900	1.3383	1.4838	0.6735
30	2.0225	0.8668	0.9002	0.2519	0.9933	1.1686	0.3138	1.2850	1.3960	0.5643
35	2.5107	0.8599	0.8756	0.2499	1.0149	1.1935	0.3638	1.2350	1.3618	0.5286
40	3.6625	0.8537	0.8504	0.2474	1.0457	1.2240	0.5200	1.1610	1.3256	0.6278
45	0.7514	0.8478	0.8240	0.2445						
50	0.8927	0.8422	0.7987	0.2411						
55	0.9926	0.8369	0.7721	0.2372						
60	1.0498	0.8319	0.7450	0.2328						
65	1.1433	0.8271	0.7176	0.2278						
70	1.2317	0.8226	0.6896	0.2224						
75	1.3140	0.8183	0.6613	0.2164						
80	1.3890	0.8143	0.6325	0.2099						
85	1.4556	0.8105	0.6034	0.2029						
90	1.5126	0.8069	0.5738	0.1953						
95	1.5591	0.8036	0.5440	0.1873						
100	1.5940	0.8005	0.5137	0.1789						
105	1.6164	0.7975	0.4832	0.1700						
110	1.6254	0.7948	0.4524	0.1606						
115	1.6201	0.7923	0.4212	0.1509						
120	1.5998	0.7900	0.3899	0.1408						
125	1.5637	0.7878	0.3582	0.1303						
130	1.5112	0.7859	0.3264	0.1195						
135	1.4418	0.7842	0.2943	0.1084						
140	1.3549	0.7826	0.2621	0.0971						
145	1.2501	0.7812	0.2297	0.0855						
150	1.1272	0.7800	0.1971	0.0737						
155	0.9858	0.7790	0.1645	0.0617						
160	0.8258	0.7782	0.1317	0.0495						
165	0.6471	0.7776	0.0988	0.0372						
170	0.4499	0.7771	0.0659	0.0249						
175	0.2341	0.7769	0.0330	0.0125						
180	0.	0.7768	0.	0.						

GAMMA = 1.0000

ALPHA = 10.000

K = 3.000

DC = 2.6995

MR = 1.1034

BR = 1.250305

TR = 37.39

CR = 0.6526

QR = 0.2028E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9165	1.0263	0.2634	0.9165	1.0263	0.2634			
5	1.0486	0.9061	1.0038	0.2599	0.9278	1.0486	0.2681	1.7438	1.7692	5.5626
10	1.1741	0.8965	0.9811	0.2571	0.9403	1.0710	0.2751	1.5469	1.5917	2.1741
15	1.3486	0.8875	0.9580	0.2548	0.9541	1.0935	0.2858	1.4368	1.4990	1.2697
20	1.5805	0.8791	0.9346	0.2526	0.9700	1.1167	0.3033	1.3576	1.4362	0.8899
25	1.9048	0.8712	0.9109	0.2503	0.9887	1.1413	0.3348	1.2928	1.3875	0.7088
30	2.4417	0.8638	0.8867	0.2480	1.0126	1.1688	0.4032	1.2337	1.3447	0.6496
35	4.0096	0.8567	0.8620	0.2453	1.0494	1.2092	0.6648	1.1689	1.2986	0.8290
40	0.8677	0.8501	0.8370	0.2424						
45	0.7706	0.8438	0.8115	0.2391						
50	0.8730	0.8379	0.7856	0.2353						
55	0.9737	0.8323	0.7592	0.2312						
60	1.0716	0.8270	0.7324	0.2266						
65	1.1656	0.8220	0.7052	0.2215						
70	1.2543	0.8172	0.6776	0.2159						
75	1.3367	0.8127	0.6496	0.2099						
80	1.4116	0.8085	0.6213	0.2034						
85	1.4779	0.8045	0.5925	0.1964						
90	1.5346	0.8008	0.5634	0.1889						
95	1.5805	0.7973	0.5340	0.1811						
100	1.6148	0.7940	0.5042	0.1728						
105	1.6385	0.7910	0.4742	0.1641						
110	1.6448	0.7881	0.4439	0.1550						
115	1.6384	0.7855	0.4133	0.1455						
120	1.6170	0.7831	0.3824	0.1357						
125	1.5798	0.7809	0.3514	0.1256						
130	1.5262	0.7789	0.3201	0.1151						
135	1.4555	0.7771	0.2886	0.1044						
140	1.3673	0.7754	0.2570	0.0934						
145	1.2612	0.7740	0.2252	0.0822						
150	1.1369	0.7728	0.1933	0.0708						
155	0.9941	0.7718	0.1612	0.0593						
160	0.8326	0.7709	0.1291	0.0476						
165	0.6924	0.7702	0.0969	0.0358						
170	0.4935	0.7698	0.0646	0.0239						
175	0.2360	0.7695	0.0323	0.0120						
180	0.	0.7694	0.	0.						

GAMMA=1.0000 ALPHA=10.000 K= 4.00

DC= 2.8111 MR= 1.09867 BR= 1.21132
TR=27.7100 CR= 0.48363 QR=13.18900

THETA	ST	X1	B1	S1
0	1.0000	0.9195	1.0052	0.2786
5	1.0804	0.9066	0.9812	0.2687
10	1.2633	0.8950	0.9574	0.2613
15	1.5387	0.8843	0.9335	0.2555
20	1.9999	0.8745	0.9096	0.2506
25	3.2950	0.8653	0.8854	0.2462
30	0.5001	0.8568	0.8610	0.2421
35	0.16039	0.8489	0.8364	0.2380
40	0.7091	0.8414	0.8114	0.2339
45	0.8145	0.8344	0.7860	0.2296
50	0.9189	0.8278	0.7604	0.2251
55	1.0212	0.8216	0.7344	0.2203
60	1.1202	0.8157	0.7080	0.2152
65	1.2148	0.8102	0.6813	0.2097
70	1.3037	0.8050	0.6543	0.2039
75	1.3860	0.8001	0.6270	0.1977
80	1.4603	0.7955	0.5993	0.1911
85	1.5258	0.7911	0.5713	0.1842
90	1.5813	0.7871	0.5430	0.1769
95	1.6258	0.7833	0.5144	0.1692
100	1.6584	0.7798	0.4856	0.1612
105	1.6781	0.7765	0.4565	0.1528
110	1.6841	0.7734	0.4272	0.1442
115	1.6756	0.7706	0.3976	0.1352
120	1.6519	0.7680	0.3678	0.1259
125	1.6122	0.7656	0.3379	0.1164
130	1.5559	0.7634	0.3077	0.1066
135	1.4826	0.7615	0.2774	0.0966
140	1.3917	0.7597	0.2470	0.0864
145	1.2829	0.7582	0.2164	0.0760
150	1.1557	0.7569	0.1857	0.0654
155	1.0101	0.7558	0.1549	0.0547
160	0.8457	0.7549	0.1240	0.0439
165	0.6624	0.7542	0.0931	0.0330
170	0.4604	0.7537	0.0621	0.0221
175	0.2395	0.7534	0.0310	0.0110
180	0.	0.7533	0.	0.

GAMMA=1.0000 ALPHA=10.000 K= 5.00

DC= 2.9030 MR= 1.09587 BR= 1.18722
TR=22.0380 CR= 0.38464 QR= 9.76529

THETA	ST	X1	B1	S1
0	1.0000	0.9214	0.9918	0.2984
5	1.1160	0.9062	0.9660	0.2808
10	1.3716	0.8928	0.9409	0.2683
15	1.8296	0.8807	0.9162	0.2588
20	3.2969	0.8696	0.8916	0.2512
25	0.4271	0.8595	0.8670	0.2447
30	0.5318	0.8501	0.8423	0.2390
35	0.6385	0.8414	0.8174	0.2336
40	0.7460	0.8333	0.7924	0.2284
45	0.8533	0.8257	0.7671	0.2233
50	0.9591	0.8185	0.7416	0.2181
55	1.0623	0.8119	0.7158	0.2127
60	1.1619	0.8056	0.6897	0.2072
65	1.2566	0.7997	0.6634	0.2014
70	1.3453	0.7941	0.6368	0.1953
75	1.4270	0.7889	0.6098	0.1890
80	1.5006	0.7841	0.5827	0.1823
85	1.5650	0.7795	0.5552	0.1754
90	1.6192	0.7752	0.5275	0.1681
95	1.6621	0.7712	0.4996	0.1606
100	1.6930	0.7674	0.4714	0.1528
105	1.7108	0.7639	0.4431	0.1447
110	1.7149	0.7607	0.4145	0.1363
115	1.7043	0.7577	0.3857	0.1276
120	1.6784	0.7550	0.3567	0.1188
125	1.6365	0.7525	0.3276	0.1097
130	1.5781	0.7502	0.2983	0.1004
135	1.5025	0.7482	0.2689	0.0909
140	1.4095	0.7464	0.2393	0.0812
145	1.2985	0.7448	0.2096	0.0714
150	1.1692	0.7434	0.1799	0.0614
155	1.0213	0.7423	0.1500	0.0514
160	0.8548	0.7413	0.1201	0.0412
165	0.6694	0.7406	0.0901	0.0310
170	0.4651	0.7400	0.0601	0.0207
175	0.2419	0.7397	0.0301	0.0104
180	0.	0.7396	0.	0.

GAMMA=1.0000 ALPHA=10.000 K= 6.00

DC= 2.9821 XR= 1.09401 BR= 1.17084
TR=18.3025 CR= 0.31944 QR= 7.75325

THETA	ST	X1	B1	S1
0	1.0000	0.9227	0.9825	0.3206
5	1.1950	0.9053	0.9549	0.2940
10	1.5073	0.8902	0.9285	0.2761
15	2.3881	0.8769	0.9028	0.2630
20	0.3482	0.8648	0.8776	0.2528
25	0.4532	0.8538	0.8525	0.2444
30	0.5608	0.8437	0.8275	0.2371
35	0.6698	0.8344	0.8025	0.2306
40	0.7791	0.8257	0.7773	0.2245
45	0.8877	0.8176	0.7521	0.2186
50	0.9945	0.8101	0.7266	0.2128
55	1.0983	0.8031	0.7009	0.2070
60	1.1980	0.7964	0.6751	0.2010
65	1.2926	0.7903	0.6490	0.1949
70	1.3810	0.7844	0.6226	0.1887
75	1.4620	0.7790	0.5961	0.1822
80	1.5346	0.7739	0.5693	0.1755
85	1.5978	0.7691	0.5423	0.1685
90	1.6506	0.7646	0.5151	0.1613
95	1.6920	0.7605	0.4876	0.1538
100	1.7212	0.7566	0.4600	0.1462
105	1.7372	0.7529	0.4322	0.1382
110	1.7394	0.7496	0.4042	0.1301
115	1.7269	0.7465	0.3760	0.1217
120	1.6991	0.7437	0.3477	0.1131
125	1.6553	0.7411	0.3192	0.1045
130	1.5949	0.7387	0.2906	0.0955
135	1.5175	0.7366	0.2619	0.0864
140	1.4227	0.7347	0.2331	0.0771
145	1.3099	0.7331	0.2042	0.0678
150	1.1789	0.7317	0.1751	0.0583
155	1.0294	0.7305	0.1461	0.0487
160	0.8613	0.7299	0.1169	0.0391
165	0.6743	0.7287	0.0877	0.0294
170	0.4684	0.7282	0.0585	0.0196
175	0.2436	0.7278	0.0293	0.0098
180	0.	0.7277	0.	0.

GAMMA=1.0000 ALPHA=10.000 K= 8.00

DC= 3.1162 XR= 1.09170 BR= 1.15000
TR=13.6761 CR= 0.23869 QR= 5.49257

THETA	ST	X1	B1	S1
0	1.0000	0.9245	0.9704	0.3688
5	1.2442	0.9029	0.9390	0.3212
10	1.9459	0.8849	0.9102	0.2918
15	0.2806	0.8693	0.8828	0.2716
20	0.3891	0.8555	0.8563	0.2567
25	0.4998	0.8432	0.8304	0.2449
30	0.6119	0.8319	0.8046	0.2351
35	0.7243	0.8216	0.7794	0.2266
40	0.8362	0.8121	0.7540	0.2189
45	0.9466	0.8034	0.7287	0.2118
50	1.0545	0.7952	0.7033	0.2050
55	1.1587	0.7876	0.6778	0.1984
60	1.2584	0.7805	0.6522	0.1918
65	1.3522	0.7738	0.6265	0.1853
70	1.4394	0.7676	0.6006	0.1787
75	1.5187	0.7618	0.5746	0.1719
80	1.5892	0.7564	0.5484	0.1651
85	1.6500	0.7513	0.5220	0.1581
90	1.7000	0.7465	0.4955	0.1509
95	1.7385	0.7421	0.4688	0.1436
100	1.7644	0.7380	0.4420	0.1361
105	1.7772	0.7342	0.4151	0.1285
110	1.7759	0.7306	0.3880	0.1207
115	1.7608	0.7274	0.3608	0.1127
120	1.7288	0.7244	0.3335	0.1046
125	1.6817	0.7217	0.3061	0.0964
130	1.6182	0.7192	0.2786	0.0880
135	1.5377	0.7170	0.2510	0.0795
140	1.4400	0.7150	0.2233	0.0709
145	1.3245	0.7133	0.1955	0.0623
150	1.1911	0.7118	0.1677	0.0535
155	1.0393	0.7105	0.1398	0.0447
160	0.8690	0.7095	0.1119	0.0358
165	0.6801	0.7087	0.0840	0.0269
170	0.4723	0.7081	0.0560	0.0180
175	0.2456	0.7078	0.0280	0.0090
180	0.	0.7077	0.	0.

GAMMA=1.0000 ALPHA=10.000 K= 10.00

DC= 3.2296 XR= 1.09033 BR= 1.13729
TR=10.9199 CR= 0.19059 QR= 4.25389

THETA	ST	X1	B1	S1
0	1.0000	0.9257	0.9628	0.4197
5	1.3921	0.9000	0.9278	0.3473
10	0.1985	0.8794	0.8967	0.3063
15	0.1311	0.8621	0.8678	0.2796
20	0.4252	0.8469	0.8402	0.2604
25	0.5403	0.8335	0.8136	0.2457
30	0.6956	0.8214	0.7875	0.2338
35	0.7705	0.8104	0.7617	0.2237
40	0.8841	0.8002	0.7362	0.2148
45	0.9955	0.7909	0.7107	0.2068
50	1.1039	0.7823	0.6854	0.1992
55	1.2081	0.7742	0.6600	0.1920
60	1.3071	0.7668	0.6346	0.1850
65	1.4000	0.7598	0.6091	0.1781
70	1.4857	0.7533	0.5835	0.1712
75	1.5632	0.7472	0.5579	0.1643
80	1.6316	0.7415	0.5321	0.1573
85	1.6899	0.7363	0.5063	0.1503
90	1.7373	0.7313	0.4803	0.1432
95	1.7729	0.7267	0.4543	0.1360
100	1.7959	0.7224	0.4281	0.1286
105	1.8056	0.7185	0.4018	0.1212
110	1.8013	0.7148	0.3755	0.1136
115	1.7824	0.7114	0.3490	0.1060
120	1.7483	0.7083	0.3225	0.0982
125	1.6984	0.7055	0.2959	0.0903
130	1.6323	0.7029	0.2692	0.0824
135	1.5495	0.7006	0.2424	0.0744
140	1.4495	0.6986	0.2156	0.0663
145	1.3322	0.6968	0.1888	0.0581
150	1.1970	0.6953	0.1619	0.0499
155	1.0438	0.6939	0.1350	0.0417
160	0.8724	0.6929	0.1080	0.0334
165	0.6824	0.6921	0.0810	0.0251
170	0.4738	0.6915	0.0540	0.0167
175	0.2463	0.6911	0.0270	0.0084
180	0.	0.6910	0.	0.

GAMMA=1.0000 ALPHA=10.000 K= 20.00

DC= 3.6590 XR= 1.08758 BR= 1.11140
TR= 4.4426 CR= 0.07754 QR= 2.00129

THETA	ST	X1	B1	S1
0	1.0000	0.9278	0.9469	0.6807
5	0.1467	0.8851	0.8953	0.5826
10	0.2923	0.8553	0.8555	0.3579
15	0.4286	0.8319	0.8212	0.3057
20	0.5593	0.8125	0.7900	0.2718
25	0.6863	0.7958	0.7608	0.2477
30	0.8102	0.7810	0.7330	0.2293
35	0.9308	0.7679	0.7061	0.2145
40	1.0476	0.7560	0.6799	0.2021
45	1.1601	0.7451	0.6542	0.1912
50	1.2674	0.7351	0.6288	0.1815
55	1.3687	0.7259	0.6038	0.1727
60	1.4631	0.7174	0.5789	0.1643
65	1.5496	0.7095	0.5542	0.1564
70	1.6275	0.7022	0.5296	0.1489
75	1.6960	0.6954	0.5052	0.1415
80	1.7542	0.6890	0.4808	0.1343
85	1.8015	0.6831	0.4564	0.1272
90	1.8371	0.6776	0.4321	0.1202
95	1.8605	0.6725	0.4079	0.1132
100	1.8711	0.6677	0.3837	0.1064
105	1.8684	0.6633	0.3595	0.0995
110	1.8520	0.6593	0.3353	0.0927
115	1.8215	0.6555	0.3112	0.0859
120	1.7764	0.6521	0.2871	0.0792
125	1.7166	0.6490	0.2631	0.0725
130	1.6417	0.6462	0.2391	0.0658
135	1.5514	0.6437	0.2151	0.0591
140	1.4455	0.6414	0.1911	0.0525
145	1.3236	0.6394	0.1672	0.0458
150	1.1856	0.6377	0.1432	0.0392
155	1.0310	0.6363	0.1193	0.0327
160	0.8597	0.6351	0.0954	0.0261
165	0.6713	0.6342	0.0716	0.0196
170	0.4655	0.6336	0.0477	0.0130
175	0.2418	0.6332	0.0239	0.0065
180	0.	0.6331	0.	0.

GAMMA = 1.0000

ALPHA = 11.000

K = 0.200

CC = 1.8126

CU = 1.6650

BU = 2.047553

VZ = -0.4066E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8864	1.4679	0.4684	0.8864	1.4679	0.4824			
5	0.9991	0.8851	1.4396	0.4740	0.8876	1.4953	0.4760	2.6891	2.7279	12.7637
10	0.9363	0.8839	1.4104	0.4786	0.8889	1.5218	0.4690	2.4032	2.4709	4.6973
15	0.6950	0.8826	1.3864	0.4824	0.8901	1.5474	0.4612	2.2534	2.3461	2.5303
20	0.4699	0.8814	1.3494	0.4851	0.8914	1.5722	0.4530	2.1553	2.2705	1.5910
25	0.2573	0.8802	1.3176	0.4868	0.8926	1.5961	0.4442	2.0838	2.2193	1.0876
30	0.1358	0.8790	1.2849	0.4874	0.8938	1.6191	0.4349	2.0285	2.1827	0.7833
35	0.0759	0.8778	1.2514	0.4869	0.8951	1.6413	0.4253	1.9841	2.1554	0.5844
40	0.0409	0.8766	1.2170	0.4852	0.8963	1.6626	0.4153	1.9474	2.1346	0.4471
45	0.0258	0.8755	1.1818	0.4824	0.8975	1.6831	0.4051	1.9166	2.1184	0.3486
50	0.0130	0.8743	1.1458	0.4783	0.8986	1.7028	0.3946	1.8902	2.1056	0.2758
55	0.0068	0.8732	1.1090	0.4731	0.8998	1.7216	0.3841	1.8674	2.0953	0.2206
60	0.0037	0.8722	1.0714	0.4666	0.9009	1.7397	0.3734	1.8475	2.0870	0.1781
65	0.0021	0.8711	1.0330	0.4588	0.9020	1.7570	0.3627	1.8300	2.0803	0.1449
70	0.0012	0.8701	0.9938	0.4499	0.9031	1.7735	0.3521	1.8146	2.0748	0.1185
75	0.0007	0.8691	0.9540	0.4396	0.9042	1.7893	0.3415	1.8008	2.0703	0.0975
80	0.0004	0.8682	0.9134	0.4282	0.9052	1.8044	0.3311	1.7885	2.0665	0.0805
85	0.0002	0.8672	0.8722	0.4155	0.9062	1.8187	0.3209	1.7774	2.0634	0.0667
90	0.0001	0.8664	0.8303	0.4016	0.9072	1.8324	0.3109	1.7675	2.0608	0.0554
95	0.0000	0.8655	0.7878	0.3866	0.9081	1.8454	0.3012	1.7585	2.0587	0.0462
100	0.0000	0.8647	0.7446	0.3704	0.9091	1.8577	0.2919	1.7504	2.0569	0.0386
105	0.0000	0.8640	0.7010	0.3531	0.9100	1.8695	0.2829	1.7431	2.0554	0.0323
110	0.0000	0.8633	0.6567	0.3348	0.9108	1.8806	0.2743	1.7364	2.0542	0.0271
115	0.0000	0.8626	0.6120	0.3154	0.9116	1.8911	0.2662	1.7304	2.0531	0.0228
120	0.0000	0.8620	0.5668	0.2951	0.9124	1.9011	0.2585	1.7248	2.0522	0.0193
125	0.0000	0.8614	0.5211	0.2739	0.9132	1.9105	0.2513	1.7198	2.0515	0.0163
130	0.0000	0.8609	0.4751	0.2518	0.9139	1.9195	0.2447	1.7152	2.0509	0.0138
135	0.0000	0.8604	0.4287	0.2289	0.9146	1.9279	0.2387	1.7110	2.0504	0.0118
140	0.0000	0.8600	0.3819	0.2053	0.9153	1.9358	0.2332	1.7072	2.0499	0.0101
145	0.0000	0.8596	0.3348	0.1811	0.9159	1.9433	0.2283	1.7037	2.0496	0.0087
150	0.0000	0.8592	0.2875	0.1563	0.9165	1.9503	0.2240	1.7005	2.0492	0.0076
155	0.0000	0.8590	0.2399	0.1310	0.9171	1.9569	0.2204	1.6976	2.0490	0.0067
160	0.0000	0.8587	0.1922	0.1053	0.9176	1.9631	0.2174	1.6949	2.0488	0.0060
165	0.0000	0.8585	0.1443	0.0793	0.9182	1.9690	0.2151	1.6925	2.0486	0.0055
170	0.0000	0.8584	0.0962	0.0530	0.9186	1.9745	0.2134	1.6902	2.0484	0.0051
175	0.0000	0.8583	0.0481	0.0265	0.9191	1.9796	0.2124	1.6882	2.0483	0.0049
180	0.0000	0.8583	0.0000	0.0000	0.9195	1.9844	0.2120	1.6863	2.0482	0.0048

GAMMA = 1.0000

ALPHA = 11.000

K = 0.400

CC = 2.0040

CU = 1.4606

BU = 1.816998

VZ = -0.4512E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8947	1.3176	0.3690	0.8947	1.3176	0.3826			
5	0.9989	0.8926	1.2928	0.3743	0.8968	1.3417	0.3767	2.3955	2.4301	10.1322
10	0.9364	0.8905	1.2671	0.3789	0.8990	1.3649	0.3702	2.1409	2.2612	3.7318
15	0.6959	0.8885	1.2406	0.3827	0.9011	1.3872	0.3631	2.0074	2.0900	2.0136
20	0.4716	0.8864	1.2133	0.3857	0.9033	1.4087	0.3554	1.9195	2.0222	1.2691
25	0.2602	0.8844	1.1851	0.3879	0.9054	1.4295	0.3476	1.8554	1.9763	0.8703
30	0.1358	0.8825	1.1561	0.3892	0.9076	1.4494	0.3395	1.8057	1.9433	0.6291
35	0.0759	0.8805	1.1264	0.3895	0.9098	1.4686	0.3311	1.7657	1.9187	0.4714
40	0.0409	0.8787	1.0958	0.3889	0.9119	1.4870	0.3225	1.7325	1.8998	0.3624
45	0.0258	0.8768	1.0644	0.3873	0.9141	1.5046	0.3137	1.7045	1.8850	0.2841
50	0.0130	0.8750	1.0323	0.3846	0.9162	1.5215	0.3048	1.6804	1.8732	0.2261
55	0.0068	0.8733	0.9994	0.3810	0.9183	1.5376	0.2959	1.6596	1.8637	0.1821
60	0.0037	0.8716	0.9658	0.3763	0.9204	1.5530	0.2869	1.6413	1.8560	0.1481
65	0.0021	0.8700	0.9314	0.3705	0.9225	1.5677	0.2780	1.6251	1.8497	0.1213
70	0.0012	0.8684	0.8964	0.3637	0.9246	1.5818	0.2692	1.6107	1.8445	0.1001
75	0.0007	0.8669	0.8606	0.3558	0.9266	1.5951	0.2606	1.5978	1.8402	0.0830
80	0.0004	0.8654	0.8242	0.3469	0.9286	1.6079	0.2521	1.5863	1.8366	0.0692
85	0.0002	0.8640	0.7872	0.3370	0.9305	1.6200	0.2439	1.5758	1.8336	0.0579
90	0.0001	0.8627	0.7495	0.3260	0.9325	1.6314	0.2359	1.5664	1.8310	0.0486
95	0.0000	0.8614	0.7112	0.3141	0.9344	1.6424	0.2282	1.5578	1.8289	0.0409
100	0.0000	0.8602	0.6724	0.3012	0.9362	1.6527	0.2208	1.5500	1.8271	0.0346
105	0.0000	0.8590	0.6331	0.2873	0.9380	1.6625	0.2137	1.5429	1.8256	0.0293
110	0.0000	0.8580	0.5932	0.2726	0.9398	1.6718	0.2070	1.5364	1.8243	0.0249
115	0.0000	0.8569	0.5529	0.2570	0.9415	1.6806	0.2007	1.5305	1.8233	0.0212
120	0.0000	0.8560	0.5121	0.2405	0.9431	1.6890	0.1948	1.5251	1.8223	0.0181
125	0.0000	0.8551	0.4709	0.2233	0.9447	1.6968	0.1893	1.5201	1.8216	0.0155
130	0.0000	0.8544	0.4293	0.2054	0.9463	1.7042	0.1843	1.5155	1.8209	0.0134
135	0.0000	0.8536	0.3874	0.1868	0.9478	1.7113	0.1797	1.5113	1.8203	0.0116
140	0.0000	0.8530	0.3452	0.1677	0.9493	1.7179	0.1756	1.5074	1.8198	0.0101
145	0.0000	0.8524	0.3027	0.1479	0.9507	1.7241	0.1719	1.5038	1.8194	0.0088
150	0.0000	0.8519	0.2599	0.1277	0.9520	1.7300	0.1687	1.5006	1.8191	0.0078
155	0.0000	0.8515	0.2169	0.1071	0.9533	1.7355	0.1660	1.4975	1.8188	0.0070
160	0.0000	0.8512	0.1737	0.0861	0.9546	1.7407	0.1638	1.4947	1.8185	0.0064
165	0.0000	0.8509	0.1304	0.0648	0.9556	1.7456	0.1621	1.4922	1.8183	0.0059
170	0.0000	0.8507	0.0870	0.0433	0.9570	1.7502	0.1608	1.4898	1.8181	0.0055
175	0.0000	0.8506	0.0435	0.0217	0.9581	1.7546	0.1601	1.4876	1.8180	0.0053
180	0.0000	0.8506	0.0000	0.0000	0.9591	1.7586	0.1598	1.4856	1.8178	0.0053

GAMMA = 1.0000 ALPHA = 11.000 K = 0.600

DC = 2.1207 X0 = 1.3261 B0 = 1.687267 V2 = -0.3881E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9004	1.2410	0.3225	0.9004	1.2410	0.3359			
5	0.9995	0.8976	1.2179	0.3278	0.9033	1.2633	0.3301	2.2389	2.2713	8.8545
10	1.0385	0.8948	1.1940	0.3324	0.9063	1.2847	0.3237	2.0008	2.0572	3.2664
15	1.1003	0.8920	1.1693	0.3363	0.9092	1.3054	0.3168	1.8756	1.9529	1.7672
20	1.1788	0.8893	1.1438	0.3395	0.9122	1.3253	0.3096	1.7930	1.8891	1.1178
25	1.2700	0.8867	1.1175	0.3419	0.9153	1.3444	0.3020	1.7325	1.8457	0.7699
30	1.3712	0.8841	1.0904	0.3435	0.9183	1.3627	0.2940	1.6854	1.8144	0.5594
35	1.4797	0.8816	1.0626	0.3442	0.9214	1.3802	0.2859	1.6473	1.7909	0.4216
40	1.5936	0.8791	1.0339	0.3440	0.9245	1.3970	0.2776	1.6156	1.7727	0.3263
45	1.7109	0.8767	1.0045	0.3430	0.9276	1.4130	0.2691	1.5887	1.7583	0.2577
50	1.8296	0.8744	0.9743	0.3410	0.9307	1.4283	0.2606	1.5655	1.7468	0.2067
55	1.9482	0.8722	0.9434	0.3380	0.9338	1.4429	0.2520	1.5452	1.7375	0.1680
60	2.0650	0.8700	0.9118	0.3341	0.9369	1.4568	0.2434	1.5273	1.7298	0.1379
65	2.1785	0.8679	0.8795	0.3292	0.9400	1.4700	0.2349	1.5114	1.7235	0.1141
70	2.2871	0.8659	0.8465	0.3234	0.9431	1.4826	0.2265	1.4971	1.7182	0.0952
75	2.3896	0.8640	0.8128	0.3166	0.9462	1.4945	0.2183	1.4843	1.7138	0.0799
80	2.4845	0.8621	0.7785	0.3088	0.9492	1.5058	0.2102	1.4727	1.7101	0.0674
85	2.5707	0.8603	0.7436	0.3001	0.9523	1.5165	0.2024	1.4621	1.7069	0.0572
90	2.6471	0.8586	0.7081	0.2905	0.9553	1.5266	0.1949	1.4525	1.7042	0.0487
95	2.7125	0.8570	0.6720	0.2800	0.9583	1.5362	0.1876	1.4436	1.7019	0.0416
100	2.7661	0.8555	0.6354	0.2686	0.9612	1.5453	0.1806	1.4355	1.7000	0.0358
105	2.8069	0.8541	0.5982	0.2563	0.9641	1.5538	0.1740	1.4281	1.6983	0.0308
110	2.8342	0.8528	0.5606	0.2432	0.9670	1.5619	0.1677	1.4212	1.6969	0.0267
115	2.8473	0.8515	0.5225	0.2293	0.9698	1.5695	0.1618	1.4149	1.6956	0.0231
120	2.8449	0.8503	0.4840	0.2147	0.9726	1.5767	0.1562	1.4090	1.6945	0.0202
125	2.8282	0.8493	0.4451	0.1994	0.9753	1.5834	0.1511	1.4036	1.6936	0.0177
130	2.7959	0.8483	0.4058	0.1834	0.9779	1.5897	0.1465	1.3986	1.6928	0.0156
135	2.7479	0.8474	0.3662	0.1669	0.9806	1.5957	0.1422	1.3939	1.6921	0.0138
140	2.6840	0.8466	0.3263	0.1498	0.9831	1.6013	0.1384	1.3895	1.6915	0.0123
145	2.6044	0.8459	0.2861	0.1322	0.9856	1.6066	0.1350	1.3855	1.6910	0.0110
150	2.5092	0.8453	0.2457	0.1141	0.9881	1.6115	0.1321	1.3817	1.6905	0.0100
155	2.3988	0.8448	0.2050	0.0957	0.9905	1.6162	0.1296	1.3782	1.6901	0.0092
160	2.2735	0.8444	0.1642	0.0769	0.9928	1.6205	0.1275	1.3749	1.6898	0.0085
165	2.1342	0.8440	0.1233	0.0579	0.9951	1.6246	0.1259	1.3718	1.6894	0.0080
170	1.9815	0.8438	0.0823	0.0387	0.9973	1.6285	0.1248	1.3689	1.6892	0.0077
175	1.8164	0.8437	0.0411	0.0194	0.9994	1.6321	0.1241	1.3663	1.6889	0.0075
180	1.6401	0.8436	0.	0.	1.0015	1.6354	0.1239	1.3638	1.6887	0.0074

GAMMA = 1.0000 ALPHA = 11.000 K = 0.800

DC = 2.2042 XR = 1.1665 BK = 1.587145 TR = 72.87 CR = 5.0114 QR = 0.4168E 05

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9047	1.1921	0.2951	0.9047	1.1921	0.2951			
5	0.9991	0.9012	1.1701	0.3003	0.9083	1.2133	0.2893	2.1341	2.1649	8.0494
10	1.0385	0.8977	1.1473	0.3049	0.9120	1.2338	0.2830	1.9065	1.9603	2.9758
15	1.1010	0.8944	1.1238	0.3089	0.9157	1.2534	0.2762	1.7869	1.8606	1.6154
20	1.1802	0.8911	1.0994	0.3121	0.9195	1.2722	0.2690	1.7075	1.7993	1.0262
25	1.2718	0.8879	1.0742	0.3145	0.9234	1.2903	0.2614	1.6492	1.7573	0.7104
30	1.3730	0.8847	1.0483	0.3162	0.9273	1.3076	0.2534	1.6035	1.7269	0.5193
35	1.4809	0.8817	1.0216	0.3171	0.9313	1.3241	0.2452	1.5664	1.7039	0.3940
40	1.5935	0.8788	0.9941	0.3171	0.9353	1.3399	0.2366	1.5354	1.6860	0.3073
45	1.7087	0.8759	0.9659	0.3163	0.9394	1.3550	0.2282	1.5089	1.6717	0.2448
50	1.8244	0.8732	0.9369	0.3146	0.9435	1.3693	0.2194	1.4858	1.6601	0.1982
55	1.9390	0.8705	0.9073	0.3120	0.9477	1.3829	0.2106	1.4656	1.6507	0.1627
60	2.0505	0.8679	0.8769	0.3085	0.9519	1.3959	0.2018	1.4475	1.6428	0.1351
65	2.1575	0.8655	0.8459	0.3041	0.9561	1.4082	0.1929	1.4314	1.6362	0.1132
70	2.2582	0.8631	0.8142	0.2988	0.9604	1.4198	0.1842	1.4168	1.6307	0.0957
75	2.3513	0.8608	0.7818	0.2926	0.9647	1.4308	0.1755	1.4035	1.6259	0.0815
80	2.4522	0.8587	0.7489	0.2855	0.9690	1.4412	0.1665	1.3914	1.6219	0.0786
85	2.5539	0.8566	0.7153	0.2776	0.9733	1.4510	0.1574	1.3802	1.6184	0.0668
90	2.6582	0.8546	0.6811	0.2687	0.9776	1.4603	0.1483	1.3699	1.6154	0.0578
95	2.7443	0.8528	0.6464	0.2590	0.9819	1.4690	0.1396	1.3604	1.6127	0.0505
100	2.7896	0.8510	0.6112	0.2485	0.9863	1.4772	0.1314	1.3515	1.6104	0.0444
105	2.8225	0.8494	0.5755	0.2371	0.9906	1.4849	0.1247	1.3432	1.6084	0.0394
110	2.8419	0.8478	0.5393	0.2251	0.9950	1.4922	0.1184	1.3355	1.6066	0.0352
115	2.8471	0.8464	0.5027	0.2122	0.9993	1.4989	0.1125	1.3282	1.6050	0.0316
120	2.8372	0.8450	0.4656	0.1987	1.0036	1.5053	0.1070	1.3213	1.6036	0.0286
125	2.8120	0.8438	0.4282	0.1846	1.0079	1.5113	0.1020	1.3149	1.6024	0.0261
130	2.7739	0.8427	0.3904	0.1698	1.0123	1.5168	0.1174	1.3087	1.6013	0.0239
135	2.7139	0.8417	0.3523	0.1545	1.0166	1.5220	0.1132	1.3029	1.6003	0.0221
140	2.6409	0.8408	0.3139	0.1386	1.0208	1.5269	0.1094	1.2974	1.5994	0.0205
145	2.5519	0.8399	0.2752	0.1223	1.0251	1.5314	0.1061	1.2922	1.5986	0.0192
150	2.4472	0.8393	0.2364	0.1056	1.0294	1.5357	0.1033	1.2872	1.5978	0.0181
155	2.3272	0.8387	0.1973	0.0886	1.0336	1.5396	0.1009	1.2824	1.5972	0.0173
160	2.1924	0.8382	0.1580	0.0712	1.0378	1.5433	0.0988	1.2778	1.5966	0.0166
165	2.0435	0.8378	0.1186	0.0536	1.0420	1.5467	0.0973	1.2734	1.5960	0.0161
170	1.8813	0.8375	0.0791	0.0358	1.0462	1.5499	0.0962	1.2691	1.5955	0.0157
175	1.7069	0.8374	0.0396	0.0180	1.0503	1.5529	0.0955	1.2650	1.5950	0.0155
180	1.5214	0.8373	0.	0.	1.0545	1.5557	0.0953	1.2610	1.5946	0.0154

GAMMA = 1.0000 ALPHA = 11.000 K = 1.000

DC = 2.2696 XR = 1.1387 BR = 1.505595 TR = 157.74 CR = 2.7531 QR = 0.1162E 04										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9081	1.1576	0.2775	0.9081	1.1576	0.2775			
5	1.0007	0.9039	1.1363	0.2825	0.9123	1.1781	0.2719	2.0560	2.0857	7.4786
10	1.0437	0.8999	1.1142	0.2870	0.9167	1.1979	0.2658	1.8362	1.8881	2.7722
15	1.1107	0.8959	1.0913	0.2908	0.9212	1.2168	0.2592	1.7205	1.7916	1.5106
20	1.1948	0.8921	1.0677	0.2939	0.9258	1.2350	0.2522	1.6434	1.7319	0.9643
25	1.2917	0.8884	1.0433	0.2963	0.9305	1.2525	0.2449	1.5863	1.6909	0.6715
30	1.3982	0.8848	1.0181	0.2980	0.9353	1.2692	0.2373	1.5415	1.6609	0.4942
35	1.5117	0.8813	0.9922	0.2989	0.9402	1.2851	0.2294	1.5049	1.6380	0.3779
40	1.6299	0.8780	0.9655	0.2990	0.9452	1.3003	0.2213	1.4740	1.6201	0.2974
45	1.7507	0.8747	0.9382	0.2983	0.9503	1.3148	0.2131	1.4475	1.6056	0.2393
50	1.8722	0.8716	0.9101	0.2967	0.9555	1.3286	0.2047	1.4242	1.5938	0.1961
55	1.9924	0.8685	0.8813	0.2943	0.9609	1.3417	0.1963	1.4036	1.5840	0.1631
60	2.1098	0.8656	0.8518	0.2911	0.9663	1.3542	0.1879	1.3850	1.5757	0.1375
65	2.2226	0.8629	0.8216	0.2869	0.9718	1.3660	0.1796	1.3682	1.5686	0.1172
70	2.3295	0.8602	0.7908	0.2820	0.9775	1.3771	0.1713	1.3528	1.5626	0.1009
75	2.4288	0.8577	0.7594	0.2761	0.9832	1.3877	0.1631	1.3387	1.5573	0.0878
80	2.5195	0.8552	0.7274	0.2694	0.9891	1.3976	0.1552	1.3255	1.5527	0.0771
85	2.6002	0.8529	0.6948	0.2619	0.9951	1.4071	0.1474	1.3132	1.5486	0.0683
90	2.6700	0.8507	0.6616	0.2535	1.0012	1.4159	0.1398	1.3016	1.5450	0.0610
95	2.7279	0.8487	0.6279	0.2444	1.0075	1.4243	0.1325	1.2906	1.5417	0.0550
100	2.7731	0.8467	0.5937	0.2344	1.0139	1.4322	0.1256	1.2801	1.5387	0.0500
105	2.8052	0.8449	0.5590	0.2237	1.0205	1.4396	0.1189	1.2701	1.5360	0.0460
110	2.8239	0.8431	0.5238	0.2123	1.0273	1.4466	0.1127	1.2604	1.5335	0.0427
115	2.8293	0.8415	0.4882	0.2002	1.0343	1.4532	0.1069	1.2509	1.5311	0.0401
120	2.8220	0.8401	0.4522	0.1875	1.0416	1.4595	0.1015	1.2415	1.5289	0.0382
125	2.8035	0.8387	0.4159	0.1741	1.0492	1.4654	0.0968	1.2323	1.5268	0.0370
130	2.7766	0.8375	0.3792	0.1602	1.0572	1.4710	0.0927	1.2229	1.5247	0.0365
135	2.7472	0.8363	0.3422	0.1457	1.0657	1.4764	0.0896	1.2134	1.5226	0.0369
140	2.7266	0.8353	0.3049	0.1308	1.0750	1.4816	0.0879	1.2033	1.5204	0.0387
145	2.7424	0.8345	0.2673	0.1154	1.0853	1.4868	0.0887	1.1924	1.5181	0.0430
150	2.7917	0.8337	0.2295	0.0996	1.0976	1.4921	0.0954	1.1799	1.5154	0.0529
155	3.6682	0.8330	0.1916	0.0835	1.1147	1.4984	0.1293	1.1627	1.5115	0.0896
160	0.8500	0.8325	0.1535	0.0672						
165	0.6668	0.8321	0.1152	0.0506						
170	0.4639	0.8318	0.0769	0.0338						
175	0.2415	0.8316	0.0384	0.0169						
180	0.	0.8316	0.	0.						

GAMMA = 1.0000 ALPHA = 11.000 K = 1.200

DC = 2.3235 XR = 1.1254 BR = 1.445904 TR = 116.69 CR = 2.0366 QR = 0.3428E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9108	1.1316	0.2656	0.9108	1.1316	0.2656			
5	1.0029	0.9060	1.1107	0.2704	0.9157	1.1517	0.2603	1.9942	2.0231	7.0450
10	1.0502	0.9014	1.0891	0.2746	0.9207	1.1711	0.2545	1.7807	1.8310	2.6193
15	1.1226	0.8970	1.0668	0.2782	0.9260	1.1896	0.2483	1.6677	1.7368	1.4335
20	1.2128	0.8927	1.0436	0.2811	0.9313	1.2075	0.2417	1.5921	1.6782	0.9199
25	1.3163	0.8885	1.0197	0.2834	0.9369	1.2246	0.2349	1.5359	1.6377	0.6447
30	1.4300	0.8845	0.9951	0.2850	0.9426	1.2410	0.2277	1.4915	1.6078	0.4781
35	1.5513	0.8806	0.9698	0.2858	0.9484	1.2566	0.2204	1.4550	1.5849	0.3689
40	1.6780	0.8769	0.9437	0.2859	0.9545	1.2716	0.2129	1.4239	1.5666	0.2934
45	1.8080	0.8732	0.9169	0.2852	0.9607	1.2858	0.2053	1.3970	1.5518	0.2391
50	1.9397	0.8698	0.8894	0.2837	0.9672	1.2994	0.1977	1.3732	1.5395	0.1988
55	2.0715	0.8665	0.8612	0.2813	0.9732	1.3124	0.1901	1.3518	1.5291	0.1682
60	2.2021	0.8633	0.8324	0.2782	0.9808	1.3247	0.1827	1.3323	1.5202	0.1446
65	2.3305	0.8602	0.8029	0.2742	0.9880	1.3365	0.1754	1.3144	1.5124	0.1263
70	2.4558	0.8573	0.7728	0.2694	0.9954	1.3477	0.1684	1.2976	1.5056	0.1119
75	2.5780	0.8545	0.7420	0.2638	1.0032	1.3583	0.1619	1.2819	1.4994	0.1007
80	2.6974	0.8519	0.7107	0.2574	1.0114	1.3685	0.1558	1.2668	1.4938	0.0922
85	2.8156	0.8493	0.6788	0.2502	1.0201	1.3782	0.1504	1.2522	1.4886	0.0860
90	2.9365	0.8470	0.6464	0.2422	1.0293	1.3875	0.1461	1.2379	1.4837	0.0820
95	3.0674	0.8447	0.6135	0.2334	1.0393	1.3966	0.1432	1.2236	1.4789	0.0804
100	3.2254	0.8426	0.5800	0.2239	1.0503	1.4055	0.1429	1.2089	1.4741	0.0820
105	3.4521	0.8406	0.5461	0.2137	1.0629	1.4144	0.1474	1.1932	1.4691	0.0890
110	3.6927	0.8387	0.5118	0.2027	1.0784	1.4239	0.1650	1.1751	1.4633	0.1093
115	5.8308	0.8370	0.4770	0.1912	1.1020	1.4360	0.2677	1.1493	1.4547	0.2146
120	1.6402	0.8354	0.4418	0.1790						
125	1.6084	0.8339	0.4063	0.1662						
130	1.5590	0.8326	0.3704	0.1529						
135	1.4913	0.8314	0.3343	0.1391						
140	1.4047	0.8303	0.2978	0.1248						
145	1.2988	0.8294	0.2611	0.1101						
150	1.1732	0.8285	0.2242	0.0951						
155	1.0276	0.8278	0.1871	0.0797						
160	0.8619	0.8273	0.1499	0.0641						
165	0.6761	0.8268	0.1125	0.0483						
170	0.4703	0.8265	0.0751	0.0323						
175	0.2448	0.8263	0.0376	0.0162						
180	0.	0.8262	0.	0.						

GAMMA = 1.0000

ALPHA = 11.000

K = 1.400

DC = 2.3695 XR = 1.1171 BR = 1.400723 TR = 94.15 CR = 1.6431 QR = 0.1726E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9130	1.1113	0.2574	0.9130	1.1113	0.2574			
5	1.0054	0.9077	1.0907	0.2618	0.9185	1.1311	0.2525	1.9436	1.9717	6.7002
10	1.0579	0.9026	1.0694	0.2657	0.9242	1.1502	0.2472	1.7349	1.7840	2.4995
15	1.1365	0.8977	1.0473	0.2691	0.9302	1.1686	0.2415	1.6240	1.6914	1.3742
20	1.2338	0.8929	1.0245	0.2718	0.9363	1.1863	0.2356	1.5494	1.6335	0.8870
25	1.3455	0.8883	1.0010	0.2739	0.9427	1.2033	0.2293	1.4937	1.5933	0.6260
30	1.4684	0.8839	0.9768	0.2753	0.9494	1.2196	0.2229	1.4494	1.5633	0.4682
35	1.6003	0.8797	0.9518	0.2760	0.9563	1.2352	0.2165	1.4126	1.5401	0.3651
40	1.7393	0.8756	0.9262	0.2760	0.9635	1.2502	0.2100	1.3812	1.5214	0.2941
45	1.8840	0.8717	0.8998	0.2752	0.9711	1.2645	0.2036	1.3535	1.5060	0.2433
50	2.0336	0.8679	0.8728	0.2737	0.9790	1.2783	0.1975	1.3288	1.4930	0.2062
55	2.1878	0.8643	0.8451	0.2713	0.9873	1.2915	0.1917	1.3062	1.4817	0.1786
60	2.3474	0.8608	0.8168	0.2682	0.9962	1.3042	0.1866	1.2852	1.4718	0.1583
65	2.5149	0.8576	0.7878	0.2644	1.0057	1.3165	0.1824	1.2654	1.4629	0.1436
70	2.6958	0.8544	0.7582	0.2597	1.0159	1.3284	0.1797	1.2462	1.4546	0.1339
75	2.9020	0.8514	0.7280	0.2542	1.0272	1.3402	0.1794	1.2273	1.4467	0.1293
80	3.1618	0.8486	0.6973	0.2480	1.0399	1.3519	0.1836	1.2080	1.4389	0.1312
85	3.4553	0.8459	0.6660	0.2410	1.0551	1.3641	0.1979	1.1873	1.4306	0.1447
90	4.4571	0.8433	0.6341	0.2332	1.0752	1.3779	0.2487	1.1624	1.4205	0.1961
95	1.5879	0.8409	0.6018	0.2247						
100	1.6308	0.8387	0.5689	0.2155						
105	1.6606	0.8365	0.5357	0.2057						
110	1.6764	0.8346	0.5019	0.1951						
115	1.6770	0.8327	0.4678	0.1840						
120	1.6615	0.8310	0.4333	0.1722						
125	1.6291	0.8295	0.3985	0.1599						
130	1.5789	0.8280	0.3633	0.1471						
135	1.5101	0.8268	0.3278	0.1338						
140	1.4224	0.8256	0.2921	0.1200						
145	1.3150	0.8246	0.2561	0.1059						
150	1.1878	0.8237	0.2199	0.0914						
155	1.0403	0.8230	0.1835	0.0767						
160	0.8725	0.8224	0.1470	0.0616						
165	0.6844	0.8219	0.1103	0.0464						
170	0.4761	0.8216	0.0736	0.0310						
175	0.2478	0.8214	0.0368	0.0155						
180	0.	0.8213	0.	0.						

GAMMA = 1.0000

ALPHA = 11.000

K = 1.600

DC = 2.4097 XR = 1.1114 BR = 1.365402 TR = 79.43 CR = 1.3863 QR = 0.1089E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9149	1.0949	0.2519	0.9149	1.0949	0.2519			
5	1.0084	0.9091	1.0744	0.2559	0.9210	1.1146	0.2475	1.9006	1.9281	6.4175
10	1.0666	0.9034	1.0533	0.2594	0.9274	1.1336	0.2428	1.6956	1.7437	2.4028
15	1.1522	0.8980	1.0315	0.2624	0.9340	1.1520	0.2378	1.5866	1.6527	1.3274
20	1.2578	0.8929	1.0089	0.2648	0.9410	1.1697	0.2326	1.5128	1.5953	0.8621
25	1.3792	0.8879	0.9857	0.2666	0.9483	1.1867	0.2273	1.4573	1.5551	0.6132
30	1.5138	0.8831	0.9617	0.2678	0.9559	1.2031	0.2220	1.4129	1.5249	0.4631
35	1.6600	0.8786	0.9370	0.2684	0.9640	1.2189	0.2169	1.3756	1.5012	0.3655
40	1.8170	0.8742	0.9117	0.2682	0.9725	1.2342	0.2122	1.3434	1.4819	0.2990
45	1.9851	0.8700	0.8857	0.2673	0.9816	1.2489	0.2080	1.3147	1.4656	0.2524
50	2.1666	0.8659	0.8590	0.2657	0.9914	1.2633	0.2049	1.2886	1.4516	0.2196
55	2.3666	0.8621	0.8317	0.2634	1.0020	1.2773	0.2033	1.2641	1.4390	0.1972
60	2.5965	0.8584	0.8038	0.2603	1.0137	1.2911	0.2045	1.2406	1.4275	0.1838
65	2.8837	0.8549	0.7752	0.2564	1.0271	1.3050	0.2109	1.2172	1.4164	0.1802
70	3.3049	0.8516	0.7461	0.2518	1.0430	1.3196	0.2289	1.1927	1.4050	0.1916
75	4.2042	0.8484	0.7163	0.2464	1.0641	1.3361	0.2875	1.1642	1.3917	0.2461
80	1.4118	0.8454	0.6860	0.2403						
85	1.4871	0.8425	0.6552	0.2335						
90	1.5529	0.8398	0.6238	0.2259						
95	1.6079	0.8373	0.5920	0.2177						
100	1.6510	0.8349	0.5597	0.2087						
105	1.6809	0.8327	0.5269	0.1991						
110	1.6966	0.8306	0.4937	0.1889						
115	1.6970	0.8287	0.4601	0.1781						
120	1.6811	0.8269	0.4262	0.1667						
125	1.6480	0.8252	0.3919	0.1547						
130	1.5970	0.8237	0.3573	0.1423						
135	1.5274	0.8224	0.3224	0.1294						
140	1.4385	0.8212	0.2872	0.1161						
145	1.3298	0.8201	0.2518	0.1024						
150	1.2010	0.8192	0.2162	0.0884						
155	1.0518	0.8184	0.1805	0.0741						
160	0.8822	0.8178	0.1445	0.0596						
165	0.6920	0.8173	0.1085	0.0449						
170	0.4813	0.8170	0.0724	0.0300						
175	0.2506	0.8167	0.0362	0.0150						
180	0.	0.8167	0.	0.						

GAMMA = 1.0000 ALPHA = 11.000 K = 1.800

DC = 2.4455 XR = 1.1071 BR = 1.337046 TR = 68.92 CR = 1.2029 QR = 0.7767E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9165	1.0813	0.2482	0.9165	1.0813	0.2482			
5	1.0115	0.9161	1.0810	0.2481	0.9161	1.0810	0.2481	1.8304	1.8502	5.1803
10	1.0231	0.9040	1.0399	0.2547	0.9302	1.1201	0.2409	1.6115	1.7090	2.3228
15	1.1694	0.8982	1.0182	0.2573	0.9376	1.1385	0.2363	1.5540	1.6189	1.2899
20	1.2845	0.8927	0.9958	0.2594	0.9453	1.1563	0.2322	1.4807	1.5618	0.8433
25	1.4176	0.8873	0.9727	0.2610	0.9536	1.1736	0.2282	1.4252	1.5215	0.6050
30	1.5670	0.8822	0.9490	0.2619	0.9623	1.1903	0.2245	1.3804	1.4909	0.4620
35	1.7327	0.8774	0.9246	0.2623	0.9717	1.2065	0.2216	1.3424	1.4665	0.3700
40	1.9165	0.8727	0.8995	0.2619	0.9818	1.2224	0.2197	1.3091	1.4463	0.3087
45	2.1237	0.8682	0.8737	0.2609	0.9928	1.2379	0.2198	1.2789	1.4289	0.2679
50	2.3669	0.8640	0.8474	0.2592	1.0051	1.2534	0.2231	1.2506	1.4133	0.2426
55	2.6756	0.8599	0.8203	0.2568	1.0192	1.2691	0.2327	1.2230	1.3986	0.2322
60	3.1370	0.8560	0.7927	0.2537	1.0362	1.2857	0.2571	1.1945	1.3839	0.2426
65	4.1722	0.8523	0.7645	0.2499	1.0594	1.3051	0.3374	1.1614	1.3669	0.3134
70	1.2542	0.8488	0.7357	0.2453						
75	1.3453	0.8455	0.7063	0.2400						
80	1.4294	0.8423	0.6764	0.2340						
85	1.5052	0.8393	0.6459	0.2272						
90	1.5714	0.8365	0.6150	0.2198						
95	1.6267	0.8338	0.5836	0.2117						
100	1.6699	0.8314	0.5517	0.2030						
105	1.6999	0.8290	0.5194	0.1936						
110	1.7154	0.8268	0.4866	0.1836						
115	1.7155	0.8248	0.4535	0.1731						
120	1.6991	0.8230	0.4200	0.1620						
125	1.6655	0.8212	0.3862	0.1503						
130	1.6137	0.8197	0.3521	0.1383						
135	1.5432	0.8183	0.3177	0.1257						
140	1.4532	0.8170	0.2830	0.1128						
145	1.3433	0.8159	0.2482	0.0995						
150	1.2131	0.8150	0.2131	0.0859						
155	1.0624	0.8142	0.1778	0.0720						
160	0.8909	0.8135	0.1424	0.0579						
165	0.6988	0.8130	0.1069	0.0436						
170	0.4861	0.8126	0.0713	0.0291						
175	0.2530	0.8124	0.0357	0.0146						
180	0.	0.8123	0.	0.						

GAMMA = 1.0000 ALPHA = 11.000 K = 2.000

DC = 2.4777 XR = 1.1038 BR = 1.313781 TR = 60.98 CR = 1.0643 QR = 0.5962E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9179	1.0700	0.2460	0.9179	1.0700	0.2460			
5	1.0154	0.9110	1.0496	0.2488	0.9251	1.0897	0.2429	1.8304	1.8570	5.9777
10	1.0863	0.9045	1.0286	0.2514	0.9328	1.1089	0.2398	1.6321	1.6785	2.2555
15	1.1882	0.8982	1.0069	0.2535	0.9409	1.1275	0.2367	1.5252	1.5890	1.2594
20	1.3140	0.8923	0.9846	0.2553	0.9495	1.1455	0.2339	1.4521	1.5320	0.8293
25	1.4611	0.8866	0.9617	0.2565	0.9587	1.1631	0.2317	1.3964	1.4914	0.6006
30	1.6295	0.8812	0.9381	0.2572	0.9687	1.1803	0.2304	1.3509	1.4602	0.4646
35	1.8222	0.8761	0.9138	0.2573	0.9796	1.1972	0.2307	1.3120	1.4350	0.3789
40	2.0476	0.8712	0.8889	0.2568	0.9916	1.2140	0.2329	1.2771	1.4136	0.3246
45	2.3257	0.8665	0.8634	0.2557	1.0052	1.2310	0.2423	1.2447	1.3945	0.2935
50	2.7097	0.8620	0.8372	0.2538	1.0213	1.2486	0.2620	1.2128	1.3764	0.2855
55	3.1959	0.8577	0.8105	0.2514	1.0421	1.2683	0.3145	1.1788	1.3574	0.3186
60	1.0702	0.8537	0.7831	0.2482						
65	1.1721	0.8498	0.7552	0.2443						
70	1.2697	0.8461	0.7267	0.2397						
75	1.3614	0.8427	0.6976	0.2345						
80	1.4461	0.8394	0.6680	0.2285						
85	1.5224	0.8362	0.6379	0.2219						
90	1.5889	0.8333	0.6073	0.2146						
95	1.6444	0.8305	0.5762	0.2066						
100	1.6877	0.8279	0.5447	0.1981						
105	1.7176	0.8255	0.5128	0.1889						
110	1.7329	0.8233	0.4804	0.1791						
115	1.7327	0.8212	0.4477	0.1688						
120	1.7159	0.8192	0.4147	0.1579						
125	1.6817	0.8175	0.3813	0.1466						
130	1.6292	0.8158	0.3476	0.1348						
135	1.5578	0.8144	0.3136	0.1225						
140	1.4668	0.8131	0.2794	0.1099						
145	1.3557	0.8120	0.2449	0.0969						
150	1.2242	0.8110	0.2103	0.0837						
155	1.0720	0.8101	0.1755	0.0701						
160	0.8990	0.8094	0.1406	0.0564						
165	0.7051	0.8089	0.1055	0.0424						
170	0.4905	0.8085	0.0704	0.0284						
175	0.2553	0.8083	0.0352	0.0142						
180	0.	0.8082	0.	0.						

GAMMA = 1.0000 ALPHA = 11.000 K = 2.200

DC = 2.5072 XR = 1.1012 BR = 1.294350 TR = 54.74 CR = 0.9555 QR = 0.4807E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9191	1.0602	0.2448	0.9191	1.0602	0.2448			
5	1.0193	0.9117	1.0398	0.2470	0.9269	1.0801	0.2426	1.8013	1.8274	5.8016
10	1.0972	0.9048	1.0188	0.2490	0.9352	1.0995	0.2405	1.6055	1.6511	2.1981
15	1.2085	0.8981	0.9972	0.2507	0.9440	1.1183	0.2387	1.4992	1.5622	1.2345
20	1.3466	0.8919	0.9749	0.2520	0.9536	1.1367	0.2376	1.4262	1.5051	0.8193
25	1.5104	0.8859	0.9520	0.2529	0.9639	1.1548	0.2377	1.3701	1.4640	0.5998
30	1.7033	0.8802	0.9285	0.2533	0.9752	1.1727	0.2397	1.3238	1.4321	0.4711
35	1.9348	0.8748	0.9044	0.2532	0.9878	1.1906	0.2454	1.2835	1.4057	0.3932
40	2.2294	0.8696	0.8797	0.2525	1.0023	1.2088	0.2577	1.2465	1.3826	0.3498
45	2.6561	0.8647	0.8543	0.2512	1.0198	1.2281	0.2854	1.2105	1.3609	0.3391
50	3.5101	0.8600	0.8284	0.2493	1.0432	1.2505	0.3647	1.1715	1.3379	0.3915
55	0.9778	0.8556	0.8018	0.2467						
60	1.0836	0.8513	0.7747	0.2434						
65	1.1863	0.8473	0.7470	0.2395						
70	1.2845	0.8435	0.7187	0.2350						
75	1.3769	0.8399	0.6899	0.2297						
80	1.4620	0.8365	0.6606	0.2238						
85	1.5386	0.8333	0.6308	0.2172						
90	1.6054	0.8302	0.6005	0.2100						
95	1.6611	0.8274	0.5697	0.2022						
100	1.7044	0.8247	0.5385	0.1938						
105	1.7342	0.8222	0.5069	0.1847						
110	1.7493	0.8198	0.4749	0.1751						
115	1.7488	0.8177	0.4426	0.1650						
120	1.7315	0.8157	0.4099	0.1544						
125	1.6968	0.8139	0.3769	0.1433						
130	1.6436	0.8122	0.3435	0.1317						
135	1.5713	0.8107	0.3100	0.1197						
140	1.4794	0.8094	0.2761	0.1074						
145	1.3672	0.8082	0.2421	0.0947						
150	1.2345	0.8072	0.2079	0.0817						
155	1.0810	0.8063	0.1735	0.0685						
160	0.9065	0.8056	0.1389	0.0551						
165	0.7109	0.8051	0.1043	0.0415						
170	0.4945	0.8047	0.0696	0.0277						
175	0.2574	0.8044	0.0348	0.0139						
180	0.	0.8044	0.	0.						

GAMMA = 1.0000 ALPHA = 11.000 K = 2.600

DC = 2.5594 XR = 1.0972 BR = 1.263728 TR = 45.53 CR = 0.7947 QR = 0.3436E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9211	1.0446	0.2449	0.9211	1.0446	0.2449			
5	1.0278	0.9128	1.0239	0.2455	0.9300	1.0648	0.2446	1.7513	1.7767	5.5099
10	1.1214	0.9050	1.0027	0.2463	0.9396	1.0847	0.2450	1.5587	1.6033	2.1066
15	1.2535	0.8976	0.9810	0.2470	0.9500	1.1043	0.2466	1.4538	1.5154	1.1977
20	1.4214	0.8907	0.9588	0.2475	0.9615	1.1237	0.2503	1.3805	1.4579	0.8091
25	1.6307	0.8841	0.9359	0.2476	0.9743	1.1432	0.2576	1.3230	1.4154	0.6081
30	1.9003	0.8779	0.9126	0.2475	0.9890	1.1632	0.2718	1.2742	1.3813	0.4982
35	2.2849	0.8721	0.8886	0.2468	1.0067	1.1844	0.3011	1.2295	1.3513	0.4482
40	2.9981	0.8665	0.8641	0.2457	1.0300	1.2086	0.3771	1.1843	1.3219	0.4711
45	0.7827	0.8612	0.8390	0.2441						
50	0.8927	0.8561	0.8133	0.2419						
55	1.0019	0.8514	0.7871	0.2391						
60	1.1092	0.8468	0.7603	0.2357						
65	1.2132	0.8426	0.7330	0.2317						
70	1.3125	0.8385	0.7051	0.2271						
75	1.4058	0.8346	0.6768	0.2218						
80	1.4917	0.8310	0.6479	0.2160						
85	1.5688	0.8276	0.6186	0.2095						
90	1.6359	0.8244	0.5888	0.2024						
95	1.6918	0.8214	0.5586	0.1948						
100	1.7350	0.8185	0.5280	0.1866						
105	1.7646	0.8159	0.4969	0.1778						
110	1.7793	0.8134	0.4655	0.1685						
115	1.7781	0.8111	0.4338	0.1587						
120	1.7600	0.8091	0.4017	0.1484						
125	1.7241	0.8071	0.3693	0.1377						
130	1.6696	0.8054	0.3366	0.1265						
135	1.5958	0.8038	0.3037	0.1150						
140	1.5021	0.8024	0.2705	0.1031						
145	1.3880	0.8012	0.2372	0.0909						
150	1.2530	0.8001	0.2036	0.0785						
155	1.0970	0.7992	0.1699	0.0658						
160	0.9198	0.7985	0.1361	0.0529						
165	0.7213	0.7979	0.1022	0.0398						
170	0.5017	0.7975	0.0682	0.0266						
175	0.2611	0.7972	0.0341	0.0133						
180	0.	0.7972	0.	0.						

GAMMA = 1.0000 ALPHA = 11.000 K = 3.000

DC = 2.6050 XR = 1.0944 BR = 1.240686 TR = 39.03 CR = 0.6812 QR = 0.2661E 02										
THETA	ST	X1	R1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9227	1.0324	0.2472	0.9227	1.0324	0.2472			
5	1.0371	0.9134	1.0114	0.2461	0.9327	1.0532	0.2493	1.7094	1.7342	5.2769
10	1.1479	0.9049	0.9899	0.2455	0.9436	1.0738	0.2529	1.5196	1.5632	2.0370
15	1.3049	0.8968	0.9681	0.2450	0.9557	1.0944	0.2592	1.4150	1.4754	1.1744
20	1.5122	0.8893	0.9457	0.2446	0.9694	1.1152	0.2703	1.3407	1.4169	0.8106
25	1.7924	0.8823	0.9229	0.2441	0.9853	1.1369	0.2908	1.2810	1.3724	0.6319
30	2.2191	0.8756	0.8996	0.2433	1.0050	1.1604	0.3337	1.2279	1.3346	0.5559
35	3.1485	0.8693	0.8757	0.2421	1.0326	1.1888	0.4602	1.1738	1.2972	0.6063
40	0.6917	0.8633	0.8513	0.2406						
45	0.8026	0.8577	0.8264	0.2386						
50	0.9140	0.8524	0.8009	0.2361						
55	1.0247	0.8473	0.7749	0.2331						
60	1.1332	0.8425	0.7484	0.2296						
65	1.2382	0.8380	0.7214	0.2255						
70	1.3384	0.8337	0.6939	0.2208						
75	1.4324	0.8297	0.6659	0.2155						
80	1.5188	0.8259	0.6374	0.2097						
85	1.5963	0.8223	0.6085	0.2033						
90	1.6637	0.8189	0.5791	0.1963						
95	1.7195	0.8158	0.5493	0.1888						
100	1.7626	0.8128	0.5192	0.1807						
105	1.7919	0.8101	0.4886	0.1721						
110	1.8060	0.8075	0.4577	0.1631						
115	1.8041	0.8051	0.4264	0.1535						
120	1.7852	0.8030	0.3948	0.1435						
125	1.7483	0.8010	0.3630	0.1331						
130	1.6925	0.7991	0.3308	0.1223						
135	1.6174	0.7975	0.2985	0.1111						
140	1.5221	0.7961	0.2659	0.0996						
145	1.4062	0.7948	0.2331	0.0878						
150	1.2693	0.7937	0.2001	0.0758						
155	1.1111	0.7927	0.1670	0.0635						
160	0.9315	0.7920	0.1337	0.0510						
165	0.7304	0.7914	0.1004	0.0384						
170	0.5080	0.7909	0.0670	0.0257						
175	0.2644	0.7907	0.0335	0.0129						
180	0.	0.7906	0.	0.						

GAMMA=1.0000 ALPHA=11.000 K= 4.00

DC= 2.6991 XR= 1.08990 BR= 1.20212 TR=28.8246 CR= 0.50308 QR=16.91795										
THETA	ST	X1	R1	S1						
0	1.0000	0.9255	1.0114	0.2589						
5	1.0637	0.9141	0.9891	0.2524						
10	1.2245	0.9037	0.9668	0.2478						
15	1.4683	0.8942	0.9443	0.2444						
20	1.8583	0.8854	0.9216	0.2416						
25	2.7392	0.8772	0.8986	0.2392						
30	0.5107	0.8696	0.8751	0.2369						
35	0.6209	0.8625	0.8513	0.2345						
40	0.7338	0.8557	0.8271	0.2319						
45	0.8481	0.8494	0.8024	0.2291						
50	0.9626	0.8435	0.7772	0.2259						
55	1.0759	0.8379	0.7516	0.2224						
60	1.1866	0.8326	0.7256	0.2184						
65	1.2936	0.8276	0.6991	0.2140						
70	1.3953	0.8229	0.6722	0.2091						
75	1.4905	0.8185	0.6448	0.2037						
80	1.5777	0.8144	0.6170	0.1979						
85	1.6557	0.8105	0.5888	0.1915						
90	1.7232	0.8068	0.5602	0.1847						
95	1.7788	0.8034	0.5313	0.1774						
100	1.8213	0.8002	0.5020	0.1696						
105	1.8495	0.7972	0.4723	0.1614						
110	1.8624	0.7945	0.4423	0.1528						
115	1.8589	0.7919	0.4120	0.1437						
120	1.8379	0.7896	0.3815	0.1343						
125	1.7986	0.7874	0.3506	0.1244						
130	1.7402	0.7855	0.3195	0.1142						
135	1.6619	0.7837	0.2882	0.1038						
140	1.5632	0.7822	0.2567	0.0930						
145	1.4436	0.7808	0.2250	0.0819						
150	1.3025	0.7796	0.1932	0.0707						
155	1.1399	0.7786	0.1612	0.0592						
160	0.9554	0.7778	0.1291	0.0476						
165	0.7490	0.7772	0.0969	0.0358						
170	0.5208	0.7767	0.0646	0.0239						
175	0.2711	0.7764	0.0323	0.0120						
180	0.	0.7763	0.	0.						

GAMMA=1.0000 ALPHA=11.000 K= 5.00

DC= 2.7751 XR= 1.08726 BR= 1.17828 TR=22.8809 CR= 0.39935 QR=12.37581										
THETA	ST	X1	R1	S1						
0	1.0000	0.9273	0.9979	0.2752						
5	1.0938	0.9139	0.9742	0.2622						
10	1.3193	0.9019	0.9509	0.2532						
15	1.7128	0.8911	0.9277	0.2466						
20	2.7568	0.8813	0.9044	0.2415						
25	0.4320	0.8722	0.8810	0.2372						
30	0.5421	0.8638	0.8574	0.2334						
35	0.6557	0.8559	0.8335	0.2299						
40	0.7716	0.8486	0.8093	0.2264						
45	0.8885	0.8418	0.7847	0.2228						
50	1.0052	0.8354	0.7597	0.2190						
55	1.1204	0.8294	0.7344	0.2150						
60	1.2327	0.8237	0.7086	0.2106						
65	1.3409	0.8184	0.6825	0.2059						
70	1.4436	0.8134	0.6559	0.2008						
75	1.5394	0.8087	0.6290	0.1953						
80	1.6270	0.8043	0.6017	0.1894						
85	1.7051	0.8002	0.5741	0.1831						
90	1.7723	0.7963	0.5461	0.1764						
95	1.8274	0.7927	0.5177	0.1692						
100	1.8691	0.7894	0.4890	0.1616						
105	1.8963	0.7862	0.4600	0.1536						
110	1.9079	0.7833	0.4308	0.1453						
115	1.9028	0.7806	0.4012	0.1366						
120	1.8800	0.7782	0.3714	0.1275						
125	1.8386	0.7759	0.3413	0.1181						
130	1.7779	0.7739	0.3110	0.1084						
135	1.6971	0.7720	0.2805	0.0984						
140	1.5956	0.7704	0.2498	0.0881						
145	1.4728	0.7690	0.2189	0.0776						
150	1.3285	0.7677	0.1879	0.0669						
155	1.1623	0.7667	0.1568	0.0560						
160	0.9739	0.7658	0.1256	0.0450						
165	0.7634	0.7652	0.0942	0.0339						
170	0.5308	0.7647	0.0629	0.0226						
175	0.2762	0.7644	0.0314	0.0113						
180	0.	0.7643	0.	0.						

GAMMA=1.0000		ALPHA=11.000		K= 6.00	
DC= 2.8395		XR= 1.08552		BR= 1.16208	
TR=18.9796		CR= 0.33126		QR= 9.75227	
THETA	ST	X1	B1	S1	
0	1.0000	0.9286	0.9886	0.2940	
5	1.1273	0.9132	0.9633	0.2733	
10	1.4376	0.8998	0.9389	0.2596	
15	2.1503	0.8879	0.9149	0.2498	
20	0.3484	0.8771	0.8911	0.2424	
25	0.4576	0.8672	0.8674	0.2364	
30	0.5710	0.8582	0.8435	0.2313	
35	0.6873	0.8498	0.8195	0.2268	
40	0.8056	0.8420	0.7952	0.2224	
45	0.9245	0.8348	0.7707	0.2182	
50	1.0430	0.8280	0.7458	0.2139	
55	1.1596	0.8217	0.7206	0.2094	
60	1.2730	0.8157	0.6951	0.2047	
65	1.3821	0.8101	0.6692	0.1997	
70	1.4854	0.8049	0.6430	0.1945	
75	1.5815	0.8000	0.6164	0.1889	
80	1.6692	0.7954	0.5895	0.1829	
85	1.7471	0.7911	0.5623	0.1766	
90	1.8139	0.7871	0.5347	0.1699	
95	1.8684	0.7833	0.5068	0.1628	
100	1.9093	0.7798	0.4787	0.1554	
105	1.9354	0.7766	0.4502	0.1476	
110	1.9457	0.7736	0.4215	0.1394	
115	1.9391	0.7708	0.3925	0.1310	
120	1.9147	0.7682	0.3632	0.1222	
125	1.8715	0.7659	0.3338	0.1131	
130	1.8088	0.7638	0.3041	0.1037	
135	1.7258	0.7619	0.2742	0.0941	
140	1.6219	0.7602	0.2442	0.0843	
145	1.4966	0.7587	0.2140	0.0742	
150	1.3496	0.7574	0.1837	0.0640	
155	1.1804	0.7563	0.1533	0.0535	
160	0.9889	0.7555	0.1227	0.0430	
165	0.7750	0.7548	0.0921	0.0323	
170	0.5388	0.7543	0.0614	0.0216	
175	0.2804	0.7540	0.0307	0.0108	
180	0.	0.7539	0.	0.	

GAMMA=1.0000		ALPHA=11.000		K= 8.00	
DC= 2.9462		XR= 1.08235		BR= 1.14145	
TR=14.1618		CR= 0.24717		QR= 6.84776	
THETA	ST	X1	B1	S1	
0	1.0000	0.9304	0.9764	0.3355	
5	1.2050	0.9112	0.9479	0.2967	
10	1.8080	0.8952	0.9214	0.2731	
15	0.2771	0.8813	0.8959	0.2570	
20	0.3882	0.8690	0.8712	0.2454	
25	0.5034	0.8580	0.8467	0.2363	
30	0.6219	0.8479	0.8224	0.2289	
35	0.7426	0.8387	0.7981	0.2226	
40	0.8645	0.8302	0.7737	0.2169	
45	0.9864	0.8223	0.7491	0.2115	
50	1.1073	0.8149	0.7244	0.2063	
55	1.2259	0.8081	0.6994	0.2011	
60	1.3408	0.8017	0.6742	0.1959	
65	1.4509	0.7958	0.6487	0.1905	
70	1.5547	0.7902	0.6230	0.1849	
75	1.6510	0.7850	0.5969	0.1791	
80	1.7384	0.7801	0.5706	0.1731	
85	1.8156	0.7755	0.5440	0.1667	
90	1.8814	0.7713	0.5171	0.1601	
95	1.9345	0.7673	0.4900	0.1531	
100	1.9736	0.7636	0.4626	0.1459	
105	1.9978	0.7602	0.4349	0.1384	
110	2.0057	0.7570	0.4070	0.1306	
115	1.9965	0.7541	0.3789	0.1225	
120	1.9692	0.7514	0.3506	0.1142	
125	1.9229	0.7490	0.3221	0.1056	
130	1.8568	0.7468	0.2934	0.0968	
135	1.7702	0.7448	0.2645	0.0877	
140	1.6625	0.7430	0.2355	0.0785	
145	1.5332	0.7415	0.2064	0.0691	
150	1.3818	0.7401	0.1771	0.0595	
155	1.2080	0.7390	0.1477	0.0498	
160	1.0117	0.7381	0.1183	0.0400	
165	0.7927	0.7374	0.0888	0.0301	
170	0.5510	0.7368	0.0592	0.0201	
175	0.2867	0.7365	0.0296	0.0100	
180	0.	0.7364	0.	0.	

GAMMA=1.0000		ALPHA=11.000		K= 10.00	
DC= 3.0338		XR= 1.08206		BR= 1.12888	
TR=11.2983		CR= 0.19719		QR= 5.27671	
THETA	ST	X1	B1	S1	
0	1.0000	0.9315	0.9688	0.3798	
5	1.2998	0.9088	0.9371	0.3196	
10	2.8401	0.8905	0.9086	0.2858	
15	0.3064	0.8750	0.8819	0.2639	
20	0.4234	0.8615	0.8562	0.2484	
25	0.5434	0.8495	0.8311	0.2368	
30	0.6657	0.8387	0.8064	0.2275	
35	0.7896	0.8288	0.7818	0.2197	
40	0.9141	0.8198	0.7573	0.2129	
45	1.0381	0.8114	0.7328	0.2066	
50	1.1607	0.8037	0.7081	0.2007	
55	1.2804	0.7965	0.6833	0.1950	
60	1.3962	0.7898	0.6583	0.1894	
65	1.5067	0.7835	0.6331	0.1837	
70	1.6107	0.7777	0.6076	0.1779	
75	1.7067	0.7723	0.5820	0.1719	
80	1.7935	0.7672	0.5561	0.1657	
85	1.8699	0.7625	0.5300	0.1594	
90	1.9345	0.7580	0.5036	0.1528	
95	1.9862	0.7539	0.4770	0.1460	
100	2.0237	0.7501	0.4502	0.1389	
105	2.0459	0.7466	0.4232	0.1316	
110	2.0518	0.7433	0.3959	0.1240	
115	2.0403	0.7403	0.3685	0.1162	
120	2.0105	0.7375	0.3409	0.1082	
125	1.9616	0.7350	0.3131	0.1000	
130	1.8928	0.7327	0.2852	0.0916	
135	1.8033	0.7307	0.2571	0.0830	
140	1.6926	0.7288	0.2288	0.0742	
145	1.5601	0.7272	0.2005	0.0652	
150	1.4055	0.7259	0.1720	0.0562	
155	1.2283	0.7247	0.1435	0.0470	
160	1.0283	0.7237	0.1149	0.0377	
165	0.8055	0.7230	0.0862	0.0284	
170	0.5598	0.7225	0.0575	0.0189	
175	0.2912	0.7222	0.0288	0.0095	
180	0.	0.7221	0.	0.	

GAMMA=1.0000		ALPHA=11.000		K= 20.00	
DC= 3.3414		XR= 1.07949		BR= 1.10325	
TR= 4.6223		CR= 0.08067		QR= 2.45883	
THETA	ST	X1	B1	S1	
0	1.0000	0.9337	0.9529	0.6101	
5	0.1398	0.8959	0.9066	0.4133	
10	0.2827	0.8694	0.8705	0.3318	
15	0.4199	0.8487	0.8391	0.2870	
20	0.5545	0.8315	0.8103	0.2582	
25	0.6881	0.8166	0.7832	0.2380	
30	0.8213	0.8036	0.7572	0.2228	
35	0.9537	0.7919	0.7318	0.2106	
40	1.0849	0.7813	0.7069	0.2005	
45	1.2139	0.7717	0.6822	0.1918	
50	1.3398	0.7629	0.6578	0.1839	
55	1.4616	0.7548	0.6334	0.1767	
60	1.5780	0.7472	0.6091	0.1699	
65	1.6878	0.7403	0.5847	0.1633	
70	1.7898	0.7338	0.5603	0.1569	
75	1.8829	0.7278	0.5359	0.1505	
80	1.9657	0.7222	0.5113	0.1442	
85	2.0372	0.7170	0.4866	0.1378	
90	2.0961	0.7122	0.4619	0.1314	
95	2.1412	0.7077	0.4370	0.1249	
100	2.1716	0.7036	0.4120	0.1183	
105	2.1862	0.6997	0.3869	0.1116	
110	2.1840	0.6962	0.3616	0.1048	
115	2.1642	0.6929	0.3363	0.0978	
120	2.1257	0.6900	0.3109	0.0908	
125	2.0679	0.6873	0.2853	0.0837	
130	1.9901	0.6848	0.2597	0.0764	
135	1.8915	0.6826	0.2340	0.0691	
140	1.7717	0.6806	0.2082	0.0616	
145	1.6300	0.6789	0.1823	0.0541	
150	1.4661	0.6775	0.1564	0.0465	
155	1.2795	0.6762	0.1304	0.0389	
160	1.0701	0.6752	0.1044	0.0311	
165	0.8375	0.6744	0.0783	0.0234	
170	0.5817	0.6739	0.0522	0.0156	
175	0.3025	0.6735	0.0261	0.0078	
180	0.	0.6734	0.	0.	

GAMMA = 1.0000

ALPHA = 12.000

K = 0.200

DC = 1.8059

XD = 1.6421

BO = 2.016365

VZ = -0.4264E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8932	1.4635	0.4579	0.8932	1.4635	0.4698			
5	0.9996	0.8921	1.4657	0.4641	0.8944	1.4903	0.4629	2.6467	2.6049	12.3645
10	1.00375	0.8910	1.4670	0.4694	0.8955	1.5163	0.4533	2.3654	2.6320	8.5500
15	1.0069	0.8899	1.3775	0.4738	0.8966	1.5413	0.4470	2.2179	2.3092	2.4504
20	1.1726	0.8888	1.3470	0.4771	0.8977	1.5655	0.4382	2.1214	2.2348	1.5403
25	1.2608	0.8877	1.3137	0.4795	0.8988	1.5888	0.4289	2.0511	2.1845	1.0525
30	1.3590	0.8866	1.2834	0.4808	0.8999	1.6112	0.4192	1.9967	2.1484	0.7576
35	1.4650	0.8856	1.2503	0.4809	0.9009	1.6327	0.4091	1.9531	2.1217	0.5648
40	1.5767	0.8845	1.2163	0.4799	0.9020	1.6534	0.3987	1.9171	2.1012	0.4318
45	1.6924	0.8835	1.1814	0.4777	0.9030	1.6733	0.3880	1.8868	2.0853	0.3364
50	1.8103	0.8825	1.1457	0.4742	0.9041	1.6923	0.3772	1.8610	2.0728	0.2658
55	1.9288	0.8815	1.1092	0.4696	0.9051	1.7105	0.3665	1.8386	2.0627	0.2125
60	2.0462	0.8805	1.0718	0.4637	0.9060	1.7280	0.3554	1.8191	2.0546	0.1713
65	2.1610	0.8795	1.0337	0.4565	0.9070	1.7446	0.3444	1.8020	2.0481	0.1392
70	2.2718	0.8786	0.9948	0.4480	0.9080	1.7605	0.3335	1.7869	2.0427	0.1137
75	2.3771	0.8777	0.9551	0.4383	0.9089	1.7756	0.3228	1.7734	2.0383	0.0934
80	2.4755	0.8769	0.9147	0.4272	0.9098	1.7901	0.3122	1.7614	2.0346	0.0770
85	2.5656	0.8761	0.8736	0.4150	0.9108	1.8038	0.3018	1.7506	2.0316	0.0637
90	2.6468	0.8753	0.8318	0.4015	0.9115	1.8168	0.2917	1.7409	2.0291	0.0529
95	2.7173	0.8746	0.7894	0.3868	0.9123	1.8292	0.2819	1.7322	2.0271	0.0440
100	2.7764	0.8738	0.7463	0.3709	0.9130	1.8410	0.2724	1.7243	2.0253	0.0367
105	2.8230	0.8731	0.7026	0.3538	0.9138	1.8521	0.2634	1.7172	2.0239	0.0307
110	2.8564	0.8724	0.6584	0.3357	0.9145	1.8626	0.2547	1.7107	2.0227	0.0257
115	2.8758	0.8718	0.6137	0.3165	0.9152	1.8726	0.2465	1.7048	2.0217	0.0216
120	2.8807	0.8713	0.5684	0.2963	0.9159	1.8820	0.2389	1.6995	2.0208	0.0182
125	2.8704	0.8707	0.5227	0.2751	0.9165	1.8909	0.2317	1.6946	2.0201	0.0154
130	2.8458	0.8703	0.4766	0.2530	0.9171	1.8993	0.2251	1.6902	2.0195	0.0130
135	2.8035	0.8698	0.4300	0.2302	0.9177	1.9071	0.2190	1.6861	2.0190	0.0111
140	2.7465	0.8694	0.3832	0.2066	0.9183	1.9146	0.2135	1.6824	2.0186	0.0095
145	2.6738	0.8691	0.3360	0.1823	0.9188	1.9219	0.2086	1.6791	2.0182	0.0082
150	2.5856	0.8688	0.2885	0.1574	0.9193	1.9281	0.2044	1.6760	2.0180	0.0071
155	2.4822	0.8685	0.2405	0.1319	0.9198	1.9343	0.2008	1.6732	2.0177	0.0062
160	2.3642	0.8683	0.1929	0.1061	0.9202	1.9400	0.1978	1.6708	2.0175	0.0056
165	2.2321	0.8681	0.1448	0.0799	0.9206	1.9454	0.1954	1.6682	2.0173	0.0051
170	2.0868	0.8680	0.0966	0.0534	0.9211	1.9505	0.1938	1.6661	2.0172	0.0048
175	1.9292	0.8679	0.0483	0.0267	0.9214	1.9552	0.1928	1.6641	2.0170	0.0046
180	1.7604	0.8679	0.	0.	0.9218	1.9596	0.1924	1.6623	2.0169	0.0045

GAMMA = 1.0000

ALPHA = 12.000

K = 0.400

DC = 1.9891

XD = 1.4469

BO = 1.791592

VZ = -0.4852E 01

THETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9008	1.3172	0.3614	0.9008	1.3172	0.3725			
5	0.9994	0.8989	1.2928	0.3673	0.9027	1.3407	0.3660	2.3579	2.3920	9.8142
10	1.0373	0.8971	1.2676	0.3725	0.9046	1.3634	0.3590	2.1073	2.1666	3.6129
15	1.0971	0.8952	1.2416	0.3769	0.9065	1.3852	0.3515	1.9760	2.0573	1.9477
20	1.1732	0.8934	1.2146	0.3805	0.9085	1.4062	0.3435	1.8896	1.9906	1.2260
25	1.2622	0.8916	1.1869	0.3833	0.9104	1.4264	0.3353	1.8267	1.9457	0.8395
30	1.3612	0.8898	1.1583	0.3852	0.9123	1.4458	0.3267	1.7780	1.9134	0.6058
35	1.4681	0.8881	1.1288	0.3862	0.9142	1.4644	0.3179	1.7389	1.8893	0.4530
40	1.5807	0.8864	1.0986	0.3862	0.9161	1.4822	0.3089	1.7065	1.8709	0.3476
45	1.6972	0.8847	1.0675	0.3851	0.9180	1.4992	0.2998	1.6792	1.8565	0.2719
50	1.8159	0.8831	1.0356	0.3831	0.9199	1.5155	0.2906	1.6558	1.8450	0.2158
55	1.9350	0.8815	1.0029	0.3800	0.9218	1.5310	0.2815	1.6355	1.8359	0.1734
60	2.0530	0.8800	0.9695	0.3758	0.9236	1.5459	0.2723	1.6177	1.8284	0.1406
65	2.1683	0.8785	0.9353	0.3706	0.9254	1.5600	0.2632	1.6020	1.8223	0.1149
70	2.2794	0.8771	0.9003	0.3642	0.9272	1.5734	0.2543	1.5881	1.8173	0.0944
75	2.3848	0.8757	0.8647	0.3568	0.9289	1.5862	0.2455	1.5757	1.8132	0.0781
80	2.4833	0.8743	0.8283	0.3483	0.9306	1.5984	0.2369	1.5646	1.8098	0.0649
85	2.5735	0.8730	0.7913	0.3387	0.9323	1.6099	0.2286	1.5545	1.8069	0.0541
90	2.6542	0.8718	0.7536	0.3280	0.9340	1.6209	0.2205	1.5455	1.8045	0.0452
95	2.7262	0.8707	0.7153	0.3163	0.9356	1.6312	0.2128	1.5373	1.8025	0.0380
100	2.7826	0.8696	0.6765	0.3036	0.9372	1.6411	0.2054	1.5298	1.8009	0.0319
105	2.8283	0.8685	0.6370	0.2899	0.9387	1.6504	0.1983	1.5231	1.7994	0.0269
110	2.8605	0.8675	0.5970	0.2753	0.9402	1.6591	0.1917	1.5169	1.7982	0.0228
115	2.8783	0.8666	0.5566	0.2597	0.9416	1.6674	0.1854	1.5112	1.7972	0.0193
120	2.8812	0.8657	0.5156	0.2433	0.9430	1.6753	0.1795	1.5061	1.7964	0.0164
125	2.8686	0.8650	0.4742	0.2261	0.9444	1.6827	0.1741	1.5014	1.7957	0.0140
130	2.8400	0.8642	0.4324	0.2081	0.9457	1.6896	0.1691	1.4971	1.7951	0.0120
135	2.7952	0.8636	0.3902	0.1893	0.9469	1.6962	0.1645	1.4931	1.7945	0.0103
140	2.7340	0.8630	0.3477	0.1700	0.9481	1.7024	0.1604	1.4895	1.7941	0.0090
145	2.6564	0.8625	0.3049	0.1501	0.9493	1.7082	0.1568	1.4861	1.7937	0.0078
150	2.5625	0.8620	0.2619	0.1296	0.9504	1.7137	0.1537	1.4831	1.7934	0.0069
155	2.4526	0.8616	0.2186	0.1087	0.9515	1.7188	0.1510	1.4802	1.7931	0.0061
160	2.3270	0.8613	0.1751	0.0874	0.9525	1.7236	0.1488	1.4776	1.7929	0.0055
165	2.1865	0.8611	0.1314	0.0658	0.9535	1.7281	0.1471	1.4752	1.7927	0.0051
170	2.0317	0.8609	0.0877	0.0440	0.9544	1.7324	0.1459	1.4730	1.7925	0.0048
175	1.8635	0.8608	0.0439	0.0220	0.9553	1.7364	0.1451	1.4710	1.7924	0.0046
180	1.6832	0.8607	0.	0.	0.9561	1.7401	0.1449	1.4692	1.7923	0.0046

GAMMA = 1.0000

ALPHA = 12.000

K = 0.600

DC = 2.0985

X0 = 1.3242

B0 = 1.666693

V2 = -0.4483E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9061	1.2424	0.3158	0.9061	1.2424	0.3270			
5	0.9997	0.9035	1.2198	0.3217	0.9087	1.2642	0.3206	2.2036	2.2355	8.5751
10	1.0386	0.9010	1.1964	0.3269	0.9113	1.2851	0.3137	1.9692	2.0247	3.1596
15	1.1000	0.8985	1.1721	0.3314	0.9140	1.3053	0.3064	1.8465	1.9225	1.7063
20	1.1781	0.8961	1.1470	0.3352	0.9167	1.3246	0.2987	1.7655	1.8600	1.0768
25	1.2692	0.8937	1.1211	0.3382	0.9194	1.3431	0.2907	1.7064	1.8176	0.7397
30	1.3703	0.8913	1.0944	0.3405	0.9221	1.3608	0.2824	1.6604	1.7871	0.5359
35	1.4791	0.8891	1.0668	0.3418	0.9248	1.3778	0.2740	1.6233	1.7643	0.4026
40	1.5934	0.8868	1.0385	0.3423	0.9276	1.3940	0.2654	1.5926	1.7467	0.3106
45	1.7114	0.8847	1.0093	0.3418	0.9303	1.4094	0.2567	1.5665	1.7329	0.2444
50	1.8311	0.8825	0.9794	0.3404	0.9330	1.4241	0.2480	1.5440	1.7218	0.1953
55	1.9508	0.8805	0.9487	0.3380	0.9358	1.4381	0.2392	1.5245	1.7129	0.1580
60	2.0690	0.8785	0.9172	0.3346	0.9385	1.4514	0.2306	1.5073	1.7056	0.1291
65	2.1839	0.8766	0.8855	0.3303	0.9412	1.4641	0.2221	1.4920	1.6996	0.1064
70	2.2941	0.8748	0.8521	0.3249	0.9439	1.4761	0.2137	1.4784	1.6946	0.0883
75	2.3981	0.8730	0.8185	0.3185	0.9466	1.4875	0.2054	1.4662	1.6905	0.0737
80	2.4941	0.8713	0.7842	0.3111	0.9492	1.4982	0.1973	1.4552	1.6870	0.0619
85	2.5818	0.8697	0.7492	0.3028	0.9518	1.5084	0.1896	1.4452	1.6841	0.0522
90	2.6594	0.8681	0.7136	0.2934	0.9544	1.5180	0.1822	1.4361	1.6816	0.0442
95	2.7259	0.8667	0.6775	0.2831	0.9569	1.5271	0.1750	1.4278	1.6795	0.0376
100	2.7800	0.8653	0.6407	0.2719	0.9595	1.5357	0.1682	1.4202	1.6777	0.0320
105	2.8210	0.8640	0.6034	0.2597	0.9619	1.5437	0.1618	1.4132	1.6762	0.0274
110	2.8478	0.8627	0.5656	0.2467	0.9643	1.5514	0.1557	1.4068	1.6749	0.0235
115	2.8598	0.8616	0.5273	0.2329	0.9667	1.5585	0.1500	1.4009	1.6737	0.0203
120	2.8562	0.8605	0.4885	0.2182	0.9690	1.5653	0.1446	1.3955	1.6728	0.0175
125	2.8367	0.8595	0.4493	0.2028	0.9713	1.5716	0.1397	1.3905	1.6720	0.0152
130	2.8006	0.8586	0.4097	0.1867	0.9736	1.5776	0.1352	1.3859	1.6712	0.0133
135	2.7478	0.8578	0.3698	0.1700	0.9757	1.5831	0.1311	1.3816	1.6706	0.0117
140	2.6780	0.8571	0.3295	0.1526	0.9778	1.5884	0.1275	1.3777	1.6701	0.0103
145	2.5913	0.8564	0.2890	0.1347	0.9799	1.5933	0.1242	1.3740	1.6697	0.0092
150	2.4878	0.8559	0.2482	0.1164	0.9819	1.5979	0.1214	1.3706	1.6693	0.0082
155	2.3677	0.8554	0.2072	0.0976	0.9838	1.6023	0.1190	1.3674	1.6689	0.0075
160	2.2316	0.8550	0.1659	0.0785	0.9857	1.6063	0.1171	1.3645	1.6686	0.0069
165	2.0800	0.8547	0.1246	0.0591	0.9876	1.6102	0.1156	1.3617	1.6684	0.0065
170	1.9138	0.8545	0.0831	0.0395	0.9893	1.6137	0.1145	1.3592	1.6682	0.0061
175	1.7338	0.8544	0.0416	0.0198	0.9910	1.6171	0.1139	1.3568	1.6680	0.0060
180	1.5412	0.8543	0.	0.	0.9927	1.6202	0.1136	1.3546	1.6678	0.0059

GAMMA = 1.0000

ALPHA = 12.000

K = 0.800

DC = 2.1767

XR = 1.1675

BR = 1.574914

TR = 98.28

CR = 7.9984

QR = 0.3113E 07

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9101	1.1946	0.2886	0.9101	1.1946	0.2958			
5	1.0001	0.9069	1.1731	0.2944	0.9133	1.2153	0.2895	2.1006	2.1310	7.7939
10	1.0404	0.9038	1.1508	0.2996	0.9166	1.2351	0.2827	1.8771	1.9299	2.8763
15	1.1039	0.9007	1.1276	0.3042	0.9200	1.2542	0.2755	1.7596	1.8321	1.5574
20	1.1843	0.8977	1.1037	0.3081	0.9234	1.2724	0.2679	1.6820	1.7721	0.9865
25	1.2779	0.8948	1.0789	0.3112	0.9269	1.2899	0.2600	1.6251	1.7313	0.6807
30	1.3814	0.8920	1.0533	0.3136	0.9304	1.3066	0.2519	1.5807	1.7018	0.4959
35	1.4925	0.8892	1.0270	0.3151	0.9339	1.3225	0.2436	1.5448	1.6796	0.3750
40	1.6089	0.8865	0.9998	0.3158	0.9375	1.3377	0.2352	1.5148	1.6624	0.2914
45	1.7286	0.8839	0.9719	0.3156	0.9411	1.3521	0.2267	1.4893	1.6487	0.2312
50	1.8496	0.8814	0.9431	0.3145	0.9447	1.3658	0.2181	1.4672	1.6378	0.1865
55	1.9702	0.8790	0.9137	0.3125	0.9484	1.3789	0.2096	1.4478	1.6288	0.1525
60	2.0887	0.8766	0.8834	0.3096	0.9521	1.3912	0.2012	1.4307	1.6214	0.1261
65	2.2035	0.8744	0.8525	0.3057	0.9558	1.4029	0.1928	1.4153	1.6153	0.1053
70	2.3131	0.8722	0.8209	0.3009	0.9595	1.4139	0.1846	1.4016	1.6101	0.0887
75	2.4160	0.8701	0.7885	0.2951	0.9632	1.4243	0.1767	1.3891	1.6057	0.0753
80	2.5110	0.8682	0.7555	0.2884	0.9669	1.4342	0.1689	1.3777	1.6020	0.0644
85	2.5971	0.8663	0.7219	0.2807	0.9706	1.4434	0.1615	1.3673	1.5989	0.0555
90	2.6739	0.8645	0.6877	0.2722	0.9743	1.4521	0.1544	1.3578	1.5961	0.0482
95	2.7200	0.8627	0.6529	0.2627	0.9780	1.4603	0.1457	1.3489	1.5938	0.0411
100	2.7689	0.8611	0.6175	0.2523	0.9817	1.4680	0.1391	1.3408	1.5917	0.0359
105	2.8040	0.8596	0.5816	0.2411	0.9854	1.4752	0.1328	1.3332	1.5900	0.0315
110	2.8243	0.8582	0.5451	0.2291	0.9890	1.4820	0.1270	1.3262	1.5884	0.0278
115	2.8292	0.8569	0.5082	0.2162	0.9927	1.4883	0.1215	1.3197	1.5871	0.0246
120	2.8179	0.8556	0.4709	0.2027	0.9963	1.4942	0.1163	1.3135	1.5859	0.0220
125	2.7900	0.8545	0.4331	0.1884	0.9998	1.4998	0.1116	1.3078	1.5849	0.0197
130	2.7451	0.8535	0.3950	0.1734	1.0034	1.5049	0.1073	1.3024	1.5839	0.0178
135	2.6830	0.8525	0.3565	0.1579	1.0069	1.5098	0.1034	1.2973	1.5831	0.0162
140	2.6034	0.8517	0.3177	0.1418	1.0104	1.5143	0.0999	1.2925	1.5824	0.0148
145	2.5064	0.8509	0.2786	0.1252	1.0138	1.5185	0.0968	1.2880	1.5817	0.0137
150	2.3923	0.8503	0.2393	0.1082	1.0172	1.5224	0.0941	1.2838	1.5812	0.0128
155	2.2612	0.8497	0.1997	0.0907	1.0205	1.5260	0.0918	1.2797	1.5807	0.0120
160	2.1138	0.8493	0.1600	0.0730	1.0238	1.5294	0.0899	1.2759	1.5802	0.0114
165	1.9506	0.8489	0.1201	0.0550	1.0271	1.5326	0.0885	1.2723	1.5798	0.0109
170	1.7726	0.8487	0.0801	0.0367	1.0303	1.5355	0.0874	1.2688	1.5794	0.0106
175	1.5807	0.8486	0.0401	0.0184	1.0335	1.5383	0.0868	1.2656	1.5791	0.0104
180	1.3761	0.8485	0.	0.	1.0366	1.5408	0.0866	1.2624	1.5788	0.0104

GAMMA = 1.0000

ALPHA = 12.000

K = 1.000

DC = 2.2376 XR = 1.1322 BR = 1.495540 TR = 175.68 CR = 3.0663 QR = 0.2590E 04										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9132	1.1607	0.2708	0.9132	1.1607	0.2708			
5	1.0004	0.9095	1.1399	0.2765	0.9171	1.1806	0.2646	2.0236	2.0529	7.2379
10	1.0418	0.9058	1.1183	0.2816	0.9210	1.1998	0.2579	1.8078	1.8588	2.6753
15	1.1069	0.9022	1.0959	0.2861	0.9251	1.2181	0.2508	1.6946	1.7645	1.4525
20	1.1893	0.8988	1.0728	0.2900	0.9292	1.2357	0.2433	1.6194	1.7063	0.9233
25	1.2848	0.8954	1.0688	0.2931	0.9336	1.2525	0.2355	1.5640	1.6666	0.6400
30	1.3902	0.8921	1.0240	0.2955	0.9377	1.2685	0.2275	1.5206	1.6376	0.4687
35	1.5029	0.8889	0.9984	0.2971	0.9421	1.2838	0.2192	1.4853	1.6157	0.3565
40	1.6206	0.8858	0.9721	0.2978	0.9465	1.2983	0.2108	1.4556	1.5986	0.2790
45	1.7410	0.8829	0.9449	0.2978	0.9511	1.3121	0.2022	1.4302	1.5849	0.2231
50	1.8623	0.8800	0.9171	0.2969	0.9557	1.3252	0.1937	1.4081	1.5737	0.1816
55	1.9825	0.8772	0.8884	0.2951	0.9603	1.3377	0.1851	1.3885	1.5646	0.1500
60	2.0999	0.8746	0.8591	0.2924	0.9651	1.3494	0.1765	1.3711	1.5569	0.1254
65	2.2128	0.8720	0.8290	0.2888	0.9699	1.3605	0.1681	1.3553	1.5504	0.1060
70	2.3195	0.8696	0.7983	0.2843	0.9748	1.3710	0.1597	1.3410	1.5449	0.0905
75	2.4185	0.8672	0.7669	0.2789	0.9798	1.3808	0.1515	1.3278	1.5401	0.0780
80	2.5084	0.8650	0.7348	0.2726	0.9848	1.3901	0.1435	1.3157	1.5360	0.0677
85	2.5878	0.8629	0.7022	0.2654	0.9899	1.3989	0.1357	1.3045	1.5324	0.0592
90	2.6555	0.8609	0.6689	0.2573	0.9951	1.4071	0.1282	1.2940	1.5292	0.0522
95	2.7101	0.8590	0.6350	0.2484	1.0004	1.4148	0.1209	1.2841	1.5264	0.0464
100	2.7508	0.8572	0.6006	0.2386	1.0057	1.4220	0.1139	1.2748	1.5239	0.0415
105	2.7764	0.8555	0.5657	0.2280	1.0112	1.4288	0.1072	1.2660	1.5217	0.0374
110	2.7862	0.8539	0.5303	0.2167	1.0167	1.4351	0.1008	1.2575	1.5196	0.0340
115	2.7794	0.8524	0.4944	0.2046	1.0223	1.4410	0.0947	1.2495	1.5177	0.0311
120	2.7556	0.8510	0.4580	0.1917	1.0281	1.4466	0.0890	1.2417	1.5160	0.0288
125	2.7144	0.8498	0.4213	0.1782	1.0339	1.4518	0.0837	1.2341	1.5144	0.0268
130	2.6558	0.8486	0.3842	0.1641	1.0399	1.4566	0.0787	1.2267	1.5129	0.0253
135	2.5801	0.8476	0.3468	0.1494	1.0461	1.4612	0.0742	1.2194	1.5115	0.0241
140	2.4881	0.8467	0.3090	0.1342	1.0526	1.4655	0.0701	1.2121	1.5101	0.0233
145	2.3816	0.8459	0.2710	0.1185	1.0593	1.4696	0.0665	1.2048	1.5088	0.0229
150	2.2637	0.8451	0.2327	0.1023	1.0663	1.4734	0.0635	1.1974	1.5075	0.0230
155	2.1407	0.8445	0.1943	0.0859	1.0739	1.4771	0.0613	1.1896	1.5061	0.0238
160	2.0235	0.8441	0.1556	0.0691	1.0821	1.4807	0.0603	1.1814	1.5047	0.0257
165	1.9515	0.8437	0.1168	0.0520	1.0915	1.4843	0.0617	1.1722	1.5031	0.0297
170	2.0431	0.8434	0.0780	0.0348	1.1030	1.4881	0.0694	1.1609	1.5011	0.0400
175	0.2565	0.8432	0.0390	0.0174						
180	0.	0.8432	0.	0.						

GAMMA = 1.0000

ALPHA = 12.000

K = 1.200

DC = 2.2875 XR = 1.1183 BR = 1.436749 TR = 125.47 CR = 2.1899 QR = 0.5685E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9158	1.1351	0.2586	0.9158	1.1351	0.2586			
5	1.0019	0.9115	1.1148	0.2641	0.9202	1.1546	0.2526	1.9631	1.9915	6.8150
10	1.0467	0.9073	1.0938	0.2690	0.9248	1.1733	0.2462	1.7537	1.8032	2.5244
15	1.1163	0.9033	1.0719	0.2734	0.9295	1.1912	0.2393	1.6431	1.7110	1.3753
20	1.2038	0.8993	1.0492	0.2771	0.9343	1.2084	0.2322	1.5695	1.6540	0.8781
25	1.3050	0.8955	1.0258	0.2801	0.9393	1.2247	0.2247	1.5151	1.6149	0.6121
30	1.4164	0.8919	1.0016	0.2825	0.9444	1.2404	0.2170	1.4723	1.5862	0.4512
35	1.5356	0.8883	0.9766	0.2840	0.9496	1.2553	0.2092	1.4372	1.5643	0.3460
40	1.6602	0.8849	0.9508	0.2848	0.9550	1.2695	0.2012	1.4076	1.5471	0.2733
45	1.7881	0.8816	0.9243	0.2848	0.9605	1.2830	0.1931	1.3820	1.5332	0.2210
50	1.9175	0.8784	0.8971	0.2840	0.9662	1.2958	0.1851	1.3595	1.5217	0.1822
55	2.0465	0.8754	0.8691	0.2823	0.9721	1.3079	0.1771	1.3394	1.5121	0.1528
60	2.1737	0.8724	0.8404	0.2797	0.9781	1.3194	0.1692	1.3213	1.5039	0.1300
65	2.2976	0.8696	0.8110	0.2763	0.9843	1.3303	0.1615	1.3047	1.4969	0.1122
70	2.4170	0.8669	0.7809	0.2720	0.9907	1.3406	0.1540	1.2893	1.4908	0.0981
75	2.5308	0.8644	0.7502	0.2669	0.9973	1.3503	0.1468	1.2750	1.4854	0.0870
80	2.6385	0.8619	0.7188	0.2609	1.0042	1.3596	0.1399	1.2615	1.4805	0.0781
85	2.7399	0.8596	0.6869	0.2540	1.0114	1.3683	0.1335	1.2486	1.4761	0.0712
90	2.8354	0.8574	0.6543	0.2463	1.0189	1.3766	0.1276	1.2362	1.4721	0.0659
95	2.9266	0.8553	0.6212	0.2377	1.0269	1.3845	0.1225	1.2240	1.4683	0.0622
100	3.0173	0.8534	0.5875	0.2284	1.0353	1.3921	0.1183	1.2120	1.4646	0.0601
105	3.1154	0.8515	0.5533	0.2182	1.0445	1.3994	0.1155	1.1998	1.4611	0.0598
110	3.2387	0.8498	0.5187	0.2073	1.0546	1.4065	0.1150	1.1872	1.4574	0.0621
115	3.4349	0.8482	0.4836	0.1957	1.0663	1.4137	0.1192	1.1734	1.4535	0.0693
120	3.8889	0.8468	0.4481	0.1835	1.0810	1.4215	0.1372	1.1570	1.4489	0.0904
125	1.7037	0.8454	0.4121	0.1706						
130	1.6529	0.8442	0.3758	0.1570						
135	1.5825	0.8430	0.3392	0.1430						
140	1.4918	0.8420	0.3023	0.1284						
145	1.3802	0.8412	0.2651	0.1134						
150	1.2475	0.8404	0.2277	0.0979						
155	1.0932	0.8397	0.1900	0.0821						
160	0.9173	0.8392	0.1522	0.0661						
165	0.7198	0.8388	0.1143	0.0498						
170	0.5008	0.8385	0.0763	0.0333						
175	0.2608	0.8383	0.0381	0.0167						
180	0.	0.8383	0.	0.						

GAMMA = 1.0000

ALPHA = 12.000

K = 1.400

DC = 2.3299 XR = 1.1100 BR = 1.392117 TR = 99.84 CR = 1.7425 QR = 0.2564E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9179	1.1150	0.2500	0.9179	1.1150	0.2500			
5	1.0038	0.9131	1.0951	0.2553	0.9229	1.1342	0.2444	1.9134	1.9410	6.4782
10	1.0528	0.9084	1.0744	0.2600	0.9281	1.1527	0.2383	1.7084	1.7566	2.4059
15	1.1276	0.9039	1.0529	0.2641	0.9334	1.1703	0.2319	1.6004	1.6667	1.3156
20	1.2212	0.8996	1.0306	0.2676	0.9390	1.1872	0.2251	1.5281	1.6106	0.8442
25	1.3293	0.8954	1.0075	0.2705	0.9447	1.2034	0.2182	1.4743	1.5719	0.5921
30	1.4486	0.8914	0.9837	0.2727	0.9506	1.2189	0.2111	1.4318	1.5433	0.4398
35	1.5767	0.8875	0.9592	0.2742	0.9568	1.2337	0.2039	1.3967	1.5212	0.3404
40	1.7114	0.8838	0.9338	0.2749	0.9632	1.2477	0.1967	1.3668	1.5037	0.2719
45	1.8511	0.8802	0.9078	0.2749	0.9699	1.2612	0.1895	1.3407	1.4893	0.2229
50	1.9943	0.8767	0.8810	0.2741	0.9768	1.2740	0.1825	1.3175	1.4773	0.1869
55	2.1402	0.8734	0.8535	0.2724	0.9841	1.2862	0.1758	1.2966	1.4671	0.1599
60	2.2883	0.8702	0.8253	0.2699	0.9917	1.2978	0.1694	1.2773	1.4582	0.1396
65	2.4391	0.8672	0.7964	0.2666	0.9998	1.3090	0.1637	1.2592	1.4503	0.1244
70	2.5943	0.8643	0.7669	0.2625	1.0083	1.3197	0.1587	1.2421	1.4431	0.1133
75	2.7584	0.8615	0.7367	0.2575	1.0176	1.3300	0.1550	1.2255	1.4365	0.1059
80	2.9410	0.8589	0.7059	0.2516	1.0277	1.3401	0.1531	1.2092	1.4302	0.1023
85	3.1442	0.8564	0.6745	0.2450	1.0390	1.3500	0.1547	1.1925	1.4239	0.1035
90	3.4899	0.8541	0.6425	0.2375	1.0523	1.3602	0.1637	1.1746	1.4174	0.1130
95	4.1796	0.8519	0.6100	0.2293	1.0696	1.3715	0.1965	1.1535	1.4095	0.1472
100	1.7200	0.8498	0.5769	0.2202						
105	1.7541	0.8478	0.5433	0.2105						
110	1.7732	0.8460	0.5093	0.1999						
115	1.7761	0.8443	0.4748	0.1888						
120	1.7619	0.8427	0.4399	0.1769						
125	1.7293	0.8413	0.4047	0.1644						
130	1.6777	0.8400	0.3690	0.1514						
135	1.6061	0.8388	0.3331	0.1378						
140	1.5140	0.8377	0.2968	0.1238						
145	1.4008	0.8368	0.2603	0.1093						
150	1.2660	0.8360	0.2235	0.0944						
155	1.1094	0.8353	0.1866	0.0792						
160	0.9309	0.8347	0.1495	0.0637						
165	0.7304	0.8343	0.1122	0.0480						
170	0.5082	0.8340	0.0749	0.0321						
175	0.2646	0.8338	0.0374	0.0161						
180	0.	0.8337	0.	0.						

GAMMA = 1.0000

ALPHA = 12.000

K = 1.600

DC = 2.3668 XR = 1.1042 BR = 1.357177 TR = 83.60 CR = 1.4591 QR = 0.1529E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9197	1.0988	0.2440	0.9197	1.0988	0.2440			
5	1.0062	0.9144	1.0791	0.2489	0.9252	1.1179	0.2388	1.8709	1.8979	6.2019
10	1.0597	0.9093	1.0586	0.2533	0.9310	1.1361	0.2332	1.6703	1.7175	2.3096
15	1.1405	0.9044	1.0373	0.2571	0.9370	1.1537	0.2273	1.5641	1.6290	1.2681
20	1.2414	0.8996	1.0153	0.2604	0.9433	1.1705	0.2212	1.4926	1.5735	0.8182
25	1.3579	0.8951	0.9926	0.2631	0.9498	1.1867	0.2150	1.4393	1.5350	0.5778
30	1.4871	0.8907	0.9690	0.2652	0.9566	1.2021	0.2087	1.3968	1.5063	0.4330
35	1.6271	0.8865	0.9448	0.2665	0.9638	1.2170	0.2026	1.3614	1.4840	0.3388
40	1.7765	0.8825	0.9198	0.2672	0.9713	1.2312	0.1966	1.3310	1.4659	0.2744
45	1.9346	0.8786	0.8941	0.2671	0.9793	1.2449	0.1911	1.3041	1.4509	0.2289
50	2.1020	0.8750	0.8677	0.2662	0.9878	1.2580	0.1862	1.2799	1.4382	0.1963
55	2.2809	0.8714	0.8406	0.2645	0.9969	1.2707	0.1822	1.2575	1.4269	0.1732
60	2.4766	0.8680	0.8128	0.2621	1.0068	1.2831	0.1798	1.2363	1.4168	0.1575
65	2.7012	0.8648	0.7843	0.2588	1.0177	1.2952	0.1800	1.2157	1.4074	0.1487
70	2.9837	0.8617	0.7552	0.2547	1.0302	1.3074	0.1851	1.1950	1.3982	0.1480
75	3.4118	0.8588	0.7254	0.2498	1.0452	1.3202	0.2020	1.1730	1.3886	0.1614
80	4.4310	0.8560	0.6951	0.2442	1.0658	1.3350	0.2646	1.1465	1.3771	0.2220
85	1.5626	0.8534	0.6641	0.2377						
90	1.6348	0.8509	0.6326	0.2304						
95	1.6958	0.8485	0.6006	0.2224						
100	1.7441	0.8463	0.5680	0.2136						
105	1.7785	0.8443	0.5350	0.2041						
110	1.7977	0.8423	0.5014	0.1939						
115	1.8005	0.8406	0.4675	0.1830						
120	1.7859	0.8389	0.4331	0.1716						
125	1.7528	0.8374	0.3984	0.1594						
130	1.7003	0.8360	0.3633	0.1468						
135	1.6277	0.8347	0.3279	0.1336						
140	1.5343	0.8336	0.2922	0.1200						
145	1.4194	0.8326	0.2562	0.1059						
150	1.2828	0.8318	0.2201	0.0915						
155	1.1241	0.8311	0.1837	0.0767						
160	0.9432	0.8305	0.1471	0.0617						
165	0.7401	0.8300	0.1105	0.0465						
170	0.5149	0.8297	0.0737	0.0311						
175	0.2681	0.8295	0.0369	0.0156						
180	0.	0.8294	0.	0.						

GAMMA = 1.0000 ALPHA = 12.000 K = 1.800

DC = 2.3995 XR = 1.1001 BR = 1.329106 TR = 72.20 CR = 1.2601 QR = 0.1053E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9212	1.0854	0.2399	0.9212	1.0854	0.2399			
5	1.0088	0.9155	1.0658	0.2443	0.9273	1.1044	0.2351	1.8343	1.8608	5.9693
10	1.0674	0.9099	1.0454	0.2483	0.9336	1.1226	0.2301	1.6375	1.8838	2.2295
15	1.1550	0.9046	1.0243	0.2519	0.9403	1.1402	0.2249	1.5325	1.5962	1.2297
20	1.2641	0.8995	1.0025	0.2549	0.9473	1.1570	0.2197	1.4617	1.5412	0.7981
25	1.3907	0.8946	0.9800	0.2574	0.9547	1.1733	0.2145	1.4084	1.5026	0.5680
30	1.5325	0.8900	0.9567	0.2592	0.9624	1.1890	0.2095	1.3657	1.4737	0.4299
35	1.6886	0.8855	0.9327	0.2604	0.9707	1.2041	0.2050	1.3299	1.4509	0.3408
40	1.8594	0.8812	0.9080	0.2609	0.9796	1.2187	0.2012	1.2986	1.4322	0.2809
45	2.0476	0.8771	0.8825	0.2607	0.9892	1.2329	0.1986	1.2706	1.4163	0.2399
50	2.2596	0.8732	0.8564	0.2597	0.9997	1.2469	0.1979	1.2447	1.4023	0.2128
55	2.5109	0.8694	0.8296	0.2580	1.0115	1.2607	0.2008	1.2200	1.3896	0.1973
60	2.8402	0.8659	0.8021	0.2556	1.0251	1.2748	0.2108	1.1954	1.3773	0.1945
65	3.3762	0.8624	0.7740	0.2523	1.0420	1.2900	0.2393	1.1691	1.3645	0.2145
70	5.0417	0.8592	0.7452	0.2483	1.0674	1.3090	0.3689	1.1358	1.3480	0.3380
75	1.4092	0.8561	0.7158	0.2435						
80	1.5006	0.8532	0.6859	0.2379						
85	1.5834	0.8504	0.6553	0.2316						
90	1.6563	0.8478	0.6242	0.2245						
95	1.7178	0.8454	0.5926	0.2166						
100	1.7665	0.8431	0.5604	0.2080						
105	1.8011	0.8409	0.5278	0.1987						
110	1.8204	0.8389	0.4947	0.1888						
115	1.8230	0.8370	0.4612	0.1782						
120	1.8081	0.8353	0.4273	0.1670						
125	1.7744	0.8337	0.3930	0.1552						
130	1.7212	0.8323	0.3584	0.1428						
135	1.6476	0.8310	0.3234	0.1300						
140	1.5529	0.8298	0.2882	0.1168						
145	1.4366	0.8288	0.2528	0.1031						
150	1.2982	0.8279	0.2171	0.0890						
155	1.1376	0.8271	0.1812	0.0747						
160	0.9545	0.8265	0.1451	0.0601						
165	0.7489	0.8261	0.1090	0.0452						
170	0.5211	0.8257	0.0727	0.0302						
175	0.2713	0.8255	0.0364	0.0151						
180	0.	0.8254	0.	0.						

GAMMA = 1.0000 ALPHA = 12.000 K = 2.000

DC = 2.4289 XR = 1.0968 BR = 1.306063 TR = 63.67 CR = 1.1113 QR = 0.7893E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9226	1.0742	0.2371	0.9226	1.0742	0.2371			
5	1.0117	0.9163	1.0546	0.2411	0.9291	1.0931	0.2330	1.8022	1.8283	5.7699
10	1.0760	0.9104	1.0343	0.2447	0.9361	1.1114	0.2287	1.6083	1.8538	2.1621
15	1.1710	0.9047	1.0133	0.2478	0.9434	1.1290	0.2244	1.5045	1.5672	1.1982
20	1.2895	0.8992	0.9916	0.2506	0.9511	1.1461	0.2202	1.4341	1.5124	0.7827
25	1.4281	0.8940	0.9692	0.2527	0.9594	1.1626	0.2164	1.3808	1.4737	0.5618
30	1.5859	0.8891	0.9461	0.2544	0.9682	1.1786	0.2132	1.3377	1.4444	0.4302
35	1.7641	0.8844	0.9222	0.2554	0.9778	1.1942	0.2112	1.3011	1.4209	0.3466
40	1.9673	0.8798	0.8977	0.2557	0.9883	1.2095	0.2110	1.2687	1.4013	0.2922
45	2.2073	0.8755	0.8725	0.2554	1.0000	1.2247	0.2140	1.2390	1.3841	0.2583
50	2.5128	0.8714	0.8466	0.2544	1.0134	1.2401	0.2234	1.2105	1.3684	0.2421
55	2.9699	0.8675	0.8201	0.2526	1.0297	1.2565	0.2479	1.1815	1.3528	0.2488
60	4.0135	0.8637	0.7929	0.2501	1.0524	1.2757	0.3315	1.1481	1.3350	0.3200
65	1.2227	0.8601	0.7650	0.2469						
70	1.3278	0.8568	0.7366	0.2429						
75	1.4272	0.8535	0.7075	0.2381						
80	1.5195	0.8505	0.6778	0.2326						
85	1.6031	0.8476	0.6476	0.2264						
90	1.6766	0.8449	0.6168	0.2194						
95	1.7385	0.8423	0.5856	0.2116						
100	1.7876	0.8399	0.5538	0.2032						
105	1.8223	0.8377	0.5215	0.1941						
110	1.8416	0.8356	0.4888	0.1844						
115	1.8441	0.8337	0.4557	0.1740						
120	1.8287	0.8319	0.4222	0.1630						
125	1.7945	0.8302	0.3883	0.1515						
130	1.7405	0.8287	0.3541	0.1395						
135	1.6659	0.8274	0.3196	0.1269						
140	1.5701	0.8262	0.2848	0.1140						
145	1.4524	0.8251	0.2497	0.1006						
150	1.3125	0.8242	0.2144	0.0869						
155	1.1500	0.8234	0.1790	0.0729						
160	0.9649	0.8228	0.1434	0.0586						
165	0.7570	0.8223	0.1076	0.0441						
170	0.5267	0.8220	0.0718	0.0295						
175	0.2742	0.8217	0.0359	0.0148						
180	0.	0.8217	0.	0.						

GAMMA = 1.0000

ALPHA = 12.000

K = 2.200

DC = 2.4556 XR = 1.0943 BR = 1.286810 TR = 57.03 CR = 0.9953 QR = 0.6257E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9237	1.0645	0.2355	0.9237	1.0645	0.2355			
5	1.0148	0.9170	1.0449	0.2388	0.9308	1.0835	0.2320	1.7737	1.7994	5.5964
10	1.0853	0.9107	1.0246	0.2419	0.9383	1.1019	0.2285	1.5820	1.6269	2.1046
15	1.1884	0.9046	1.0037	0.2447	0.9463	1.1197	0.2253	1.4794	1.5412	1.1722
20	1.3176	0.8989	0.9821	0.2471	0.9548	1.1371	0.2225	1.4092	1.4865	0.7711
25	1.4707	0.8934	0.9598	0.2490	0.9640	1.1539	0.2205	1.3558	1.4476	0.5589
30	1.6489	0.8882	0.9368	0.2504	0.9741	1.1704	0.2199	1.3120	1.4176	0.4339
35	1.8580	0.8832	0.9131	0.2512	0.9851	1.1868	0.2217	1.2744	1.3933	0.3567
40	2.1132	0.8784	0.8888	0.2514	0.9976	1.2032	0.2279	1.2403	1.3724	0.3104
45	2.4537	0.8739	0.8638	0.2509	1.0123	1.2200	0.2430	1.2080	1.3533	0.2897
50	3.0122	0.8696	0.8381	0.2498	1.0307	1.2384	0.2821	1.1748	1.3343	0.3040
55	4.8004	0.8655	0.8117	0.2480	1.0592	1.2623	0.4604	1.1339	1.3109	0.4649
60	1.1278	0.8616	0.7848	0.2455						
65	1.2382	0.8579	0.7572	0.2422						
70	1.3442	0.8544	0.7289	0.2382						
75	1.4445	0.8510	0.7001	0.2335						
80	1.5375	0.8479	0.6707	0.2280						
85	1.6217	0.8449	0.6408	0.2218						
90	1.6957	0.8421	0.6103	0.2149						
95	1.7581	0.8394	0.5794	0.2073						
100	1.8074	0.8369	0.5479	0.1991						
105	1.8422	0.8346	0.5160	0.1901						
110	1.8614	0.8325	0.4836	0.1805						
115	1.8637	0.8305	0.4508	0.1704						
120	1.8480	0.8286	0.4176	0.1596						
125	1.8132	0.8269	0.3841	0.1483						
130	1.7585	0.8254	0.3503	0.1365						
135	1.6830	0.8240	0.3161	0.1242						
140	1.5861	0.8227	0.2817	0.1115						
145	1.4671	0.8217	0.2470	0.0985						
150	1.3257	0.8207	0.2121	0.0850						
155	1.1615	0.8199	0.1770	0.0713						
160	0.9745	0.8193	0.1418	0.0574						
165	0.7646	0.8188	0.1065	0.0432						
170	0.5320	0.8184	0.0710	0.0289						
175	0.2769	0.8182	0.0355	0.0145						
180	0.	0.8181	0.	0.						

GAMMA = 1.0000

ALPHA = 12.000

K = 2.600

DC = 2.5029 XR = 1.0905 BR = 1.256458 TR = 47.27 CR = 0.8251 QR = 0.4372E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9256	1.0490	0.2345	0.9256	1.0490	0.2345			
5	1.0216	0.9181	1.0292	0.2366	0.9337	1.0682	0.2327	1.7248	1.7497	5.3082
10	1.1057	0.9110	1.0088	0.2386	0.9424	1.0870	0.2313	1.5370	1.5807	2.0115
15	1.2274	0.9042	0.9879	0.2405	0.9518	1.1054	0.2309	1.4357	1.4960	1.1329
20	1.3827	0.8979	0.9663	0.2422	0.9621	1.1235	0.2319	1.3655	1.4412	0.7574
25	1.5743	0.8919	0.9441	0.2435	0.9734	1.1415	0.2356	1.3111	1.4013	0.5622
30	1.8148	0.8862	0.9213	0.2443	0.9863	1.1596	0.2441	1.2654	1.3696	0.4529
35	2.1397	0.8808	0.8978	0.2447	1.0015	1.1785	0.2625	1.2244	1.3425	0.3964
40	2.6677	0.8756	0.8737	0.2446	1.0206	1.1991	0.3071	1.1844	1.3170	0.3912
45	4.2350	0.8707	0.8490	0.2438	1.0500	1.2258	0.4927	1.1378	1.2877	0.5428
50	0.9237	0.8661	0.8236	0.2425						
55	1.0403	0.8617	0.7976	0.2405						
60	1.1553	0.8575	0.7710	0.2378						
65	1.2674	0.8535	0.7438	0.2345						
70	1.3751	0.8498	0.7160	0.2305						
75	1.4768	0.8462	0.6876	0.2258						
80	1.5711	0.8429	0.6587	0.2204						
85	1.6564	0.8397	0.6292	0.2143						
90	1.7312	0.8367	0.5992	0.2075						
95	1.7941	0.8339	0.5688	0.2001						
100	1.8438	0.8313	0.5378	0.1921						
105	1.8788	0.8288	0.5065	0.1834						
110	1.8978	0.8266	0.4747	0.1741						
115	1.8996	0.8245	0.4425	0.1642						
120	1.8832	0.8225	0.4099	0.1538						
125	1.8473	0.8207	0.3770	0.1429						
130	1.7913	0.8191	0.3437	0.1315						
135	1.7141	0.8177	0.3102	0.1197						
140	1.6151	0.8164	0.2764	0.1074						
145	1.4937	0.8152	0.2424	0.0948						
150	1.3496	0.8142	0.2081	0.0819						
155	1.1824	0.8134	0.1737	0.0687						
160	0.9919	0.8127	0.1391	0.0552						
165	0.7782	0.8122	0.1045	0.0416						
170	0.5414	0.8118	0.0697	0.0278						
175	0.2819	0.8116	0.0349	0.0139						
180	0.	0.8115	0.	0.						

GAMMA = 11.0000 ALPHA = 12.000 K = 31.000

DC = 2.5439	XR = 110878	BR = 11293614	YR = 40.43	CR = 0.7057	QR = 0.9337E 02					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9272	1.0369	0.2359	0.9272	1.0369	0.2359			
5	1.0294	0.9188	1.0168	0.2364	0.9362	1.0663	0.2360	1.8834	1.1708	0.10780
10	1.1284	0.9109	0.9969	0.2372	0.9461	1.0799	0.2374	1.9493	1.15421	1.19398
15	1.2723	0.9036	0.9752	0.2382	0.9570	1.0951	0.2408	2.0394	1.14576	1.11068
20	1.4618	0.8967	0.9536	0.2390	0.9692	1.1144	0.2478	2.0977	1.14021	0.17545
25	1.7121	0.8902	0.9315	0.2397	0.9833	1.1341	0.2616	2.1216	1.13606	0.15785
30	2.0734	0.8841	0.9087	0.2400	1.0002	1.1530	0.2905	2.2228	1.13261	0.14949
35	2.7470	0.8783	0.8854	0.2399	1.0228	1.1790	0.3667	2.3174	1.12937	0.14994
40	0.7104	0.8728	0.8614	0.2394						
45	0.8276	0.8676	0.8369	0.2384						
50	0.9460	0.8627	0.8117	0.2368						
55	1.0643	0.8580	0.7860	0.2346						
60	1.1810	0.8536	0.7596	0.2318						
65	1.2946	0.8494	0.7327	0.2284						
70	1.4036	0.8455	0.7053	0.2243						
75	1.5065	0.8417	0.6772	0.2196						
80	1.6018	0.8382	0.6487	0.2142						
85	1.6879	0.8349	0.6196	0.2082						
90	1.7634	0.8317	0.5900	0.2016						
95	1.8288	0.8288	0.5600	0.1943						
100	1.8767	0.8261	0.5295	0.1864						
105	1.9116	0.8233	0.4986	0.1779						
110	1.9304	0.8211	0.4672	0.1688						
115	1.9318	0.8189	0.4355	0.1592						
120	1.9146	0.8169	0.4034	0.1491						
125	1.8777	0.8151	0.3710	0.1385						
130	1.8204	0.8134	0.3383	0.1274						
135	1.7416	0.8119	0.3052	0.1159						
140	1.6408	0.8105	0.2720	0.1040						
145	1.5173	0.8093	0.2386	0.0918						
150	1.3707	0.8083	0.2048	0.0793						
155	1.2008	0.8074	0.1709	0.0666						
160	1.0073	0.8067	0.1369	0.0536						
165	0.7902	0.8062	0.1028	0.0403						
170	0.5497	0.8058	0.0686	0.0269						
175	0.2862	0.8055	0.0343	0.0135						
180	0.	0.8055	0.	0.						

GAMMA=11.0000 ALPHA=12.000 K= 5.000

DC = 2.6951	XR = 1.08093	BR = 1.11712		
YR = 23.5920	CR = 0.41176	QR = 15.03853		
THETA	ST	X1	B1	S1
0	1.0000	0.9317	1.0024	0.2589
5	1.0776	0.9195	0.9801	0.2490
10	1.2394	0.9087	0.9580	0.2425
15	1.6278	0.8986	0.9359	0.2380
20	2.4938	0.8896	0.9136	0.2346
25	0.4361	0.8812	0.8910	0.2319
30	0.9903	0.8739	0.8681	0.2296
35	0.6699	0.8663	0.8448	0.2274
40	0.7919	0.8599	0.8211	0.2251
45	0.9164	0.8532	0.7970	0.2226
50	1.0413	0.8473	0.7724	0.2198
55	1.1660	0.8417	0.7473	0.2167
60	1.2882	0.8369	0.7218	0.2132
65	1.4068	0.8315	0.6957	0.2093
70	1.5202	0.8269	0.6693	0.2049
75	1.6269	0.8226	0.6423	0.2000
80	1.7252	0.8185	0.6149	0.1946
85	1.8137	0.8147	0.5871	0.1887
90	1.8908	0.8111	0.5588	0.1823
95	1.9551	0.8077	0.5302	0.1754
100	2.0060	0.8046	0.5011	0.1680
105	2.0392	0.8017	0.4717	0.1601
110	2.0563	0.7990	0.4419	0.1517
115	2.0552	0.7965	0.4118	0.1429
120	2.0346	0.7942	0.3813	0.1337
125	1.9934	0.7921	0.3506	0.1240
130	1.9308	0.7902	0.3196	0.1140
135	1.8458	0.7885	0.2884	0.1036
140	1.7377	0.7870	0.2569	0.0929
145	1.6059	0.7857	0.2252	0.0820
150	1.4506	0.7845	0.1934	0.0707
155	1.2697	0.7835	0.1614	0.0593
160	1.0647	0.7827	0.1292	0.0477
165	0.8350	0.7821	0.0970	0.0359
170	0.5808	0.7817	0.0647	0.0240
175	0.3023	0.7814	0.0324	0.0120
180	0.	0.7813	0.	0.

GAMMA=11.0000		ALPHA=12.000		K= 4.000
DC = 2.6279		XR = 1.08346		BR = 1.19537
YR = 29.7704		CR = 0.51959		QR = 20.78247
THETA	ST	X1	B1	S1
0	1.0000	0.9299	1.0159	0.2450
5	1.0518	0.9195	0.9948	0.2409
10	1.1959	0.9101	0.9736	0.2383
15	1.4157	0.9013	0.9521	0.2366
20	1.7580	0.8933	0.9302	0.2353
25	2.4496	0.8858	0.9079	0.2343
30	0.5192	0.8787	0.8851	0.2333
35	0.6344	0.8721	0.8619	0.2321
40	0.7533	0.8659	0.8381	0.2306
45	0.8746	0.8601	0.8139	0.2289
50	0.9968	0.8546	0.7891	0.2267
55	1.1186	0.8494	0.7637	0.2240
60	1.2385	0.8446	0.7379	0.2208
65	1.3550	0.8399	0.7115	0.2172
70	1.4666	0.8356	0.6846	0.2129
75	1.5717	0.8315	0.6572	0.2081
80	1.6688	0.8277	0.6293	0.2028
85	1.7564	0.8241	0.6010	0.1968
90	1.8329	0.8207	0.5722	0.1903
95	1.8970	0.8175	0.5429	0.1833
100	1.9470	0.8145	0.5139	0.1757
105	1.9817	0.8118	0.4832	0.1676
110	1.9997	0.8092	0.4527	0.1589
115	1.9998	0.8068	0.4219	0.1498
120	1.9808	0.8046	0.3908	0.1402
125	1.9417	0.8027	0.3593	0.1301
130	1.8815	0.8008	0.3276	0.1197
135	1.7993	0.7992	0.2956	0.1088
140	1.6943	0.7978	0.2634	0.0976
145	1.5665	0.7965	0.2309	0.0861
150	1.4148	0.7954	0.1983	0.0744
155	1.2391	0.7945	0.1655	0.0623
160	1.0392	0.7937	0.1325	0.0501
165	0.8151	0.7931	0.0995	0.0377
170	0.5670	0.7927	0.0664	0.0252
175	0.2952	0.7924	0.0332	0.0126
180	0.	0.7924	0.	0.

SAMMA=1.0000 ALPHA=12.000 K= 6.000

EC= 2.7515 XR= 1.07926 BR= 1.15564
TR=19.5489 CR= 0.34119 QR=11.77122

THETA	SI	XI	BI	S1
0	1.0000	0.9930	0.9930	0.2753
5	1.1068	0.9189	0.9694	0.2587
10	1.3833	0.9067	0.9463	0.2480
15	1.9910	0.8957	0.9235	0.2406
20	0.3489	0.8858	0.9008	0.2352
25	0.4613	0.8768	0.8779	0.2309
30	0.5793	0.8684	0.8548	0.2274
35	0.7015	0.8607	0.8315	0.2242
40	0.8267	0.8535	0.8078	0.2211
45	0.9538	0.8468	0.7837	0.2180
50	1.0813	0.8406	0.7592	0.2148
55	1.2078	0.8347	0.7343	0.2113
60	1.3319	0.8292	0.7090	0.2075
65	1.4521	0.8240	0.6832	0.2033
70	1.5669	0.8192	0.6571	0.1987
75	1.6746	0.8146	0.6305	0.1937
80	1.7738	0.8103	0.6034	0.1883
85	1.8629	0.8064	0.5760	0.1824
90	1.9430	0.8026	0.5482	0.1760
95	2.0045	0.7991	0.5200	0.1692
100	2.0542	0.7959	0.4914	0.1619
105	2.0878	0.7929	0.4625	0.1542
110	2.1041	0.7901	0.4332	0.1461
115	2.1018	0.7875	0.4036	0.1375
120	2.0797	0.7851	0.3737	0.1286
125	2.0367	0.7829	0.3436	0.1192
130	1.9719	0.7810	0.3132	0.1096
135	1.8845	0.7792	0.2825	0.0998
140	1.7736	0.7776	0.2517	0.0893
145	1.6387	0.7763	0.2206	0.0787
150	1.4793	0.7751	0.1894	0.0679
155	1.2950	0.7741	0.1581	0.0569
160	1.0856	0.7732	0.1266	0.0457
165	0.8514	0.7726	0.0950	0.0344
170	0.5922	0.7722	0.0634	0.0230
175	0.3082	0.7719	0.0317	0.0115
180	0.	0.7718	0.	0.

SAMMA=1.0000 ALPHA=12.000 K= 8.000

EC= 2.8439 XR= 1.07721 BR= 1.13517
TR=14.5683 CR= 0.25426 QR= 8.20664

THETA	SI	XI	BI	S1
0	1.0000	0.99347	0.9808	0.3120
5	1.1756	0.9173	0.9543	0.2795
10	1.7015	0.9026	0.9294	0.2598
15	0.2746	0.8899	0.9053	0.2468
20	0.3879	0.8786	0.8817	0.2375
25	0.5068	0.8684	0.8582	0.2305
30	0.6304	0.8591	0.8348	0.2248
35	0.7576	0.8506	0.8112	0.2200
40	0.8873	0.8428	0.7874	0.2156
45	1.0183	0.8355	0.7634	0.2115
50	1.1494	0.8287	0.7390	0.2074
55	1.2790	0.8224	0.7144	0.2033
60	1.4058	0.8164	0.6894	0.1990
65	1.5283	0.8109	0.6640	0.1944
70	1.6449	0.8057	0.6383	0.1895
75	1.7541	0.8009	0.6122	0.1844
80	1.8543	0.7964	0.5857	0.1788
85	1.9440	0.7921	0.5589	0.1729
90	2.0216	0.7882	0.5317	0.1666
95	2.0855	0.7843	0.5042	0.1599
100	2.1344	0.7811	0.4764	0.1529
105	2.1669	0.7779	0.4482	0.1454
110	2.1815	0.7750	0.4197	0.1376
115	2.1770	0.7723	0.3910	0.1294
120	2.1523	0.7698	0.3620	0.1209
125	2.1062	0.7675	0.3327	0.1120
130	2.0378	0.7654	0.3032	0.1029
135	1.9463	0.7636	0.2735	0.0934
140	1.8308	0.7619	0.2436	0.0837
145	1.6907	0.7605	0.2135	0.0738
150	1.5257	0.7593	0.1833	0.0636
155	1.3352	0.7582	0.1530	0.0533
160	1.1191	0.7574	0.1225	0.0428
165	0.8774	0.7567	0.0920	0.0322
170	0.6102	0.7562	0.0613	0.0215
175	0.3176	0.7559	0.0307	0.0108
180	0.	0.7558	0.	0.

SAMMA=1.0000 ALPHA=12.000 K=10.000

EC= 2.49190 XR= 1.07598 BR= 1.112269
TR=11.6143 CR= 0.20271 QR= 6.29108

THETA	SI	XI	BI	S1
0	1.0000	0.99397	0.9732	0.3515
5	1.2599	0.9151	0.9438	0.3001
10	2.4891	0.8985	0.9171	0.2713
15	0.3032	0.8843	0.8919	0.2529
20	0.4225	0.8719	0.8675	0.2402
25	0.5465	0.8608	0.8435	0.2307
30	0.6745	0.8508	0.8197	0.2233
35	0.8055	0.8417	0.7959	0.2171
40	0.9386	0.8333	0.7720	0.2117
45	1.0726	0.8256	0.7480	0.2068
50	1.2062	0.8185	0.7238	0.2021
55	1.3381	0.8118	0.6993	0.1974
60	1.4668	0.8056	0.6745	0.1927
65	1.5908	0.7998	0.6494	0.1878
70	1.7087	0.7944	0.6240	0.1828
75	1.8187	0.7894	0.5983	0.1775
80	1.9195	0.7847	0.5722	0.1718
85	2.0093	0.7803	0.5459	0.1659
90	2.0867	0.7762	0.5192	0.1597
95	2.1562	0.7723	0.4922	0.1531
100	2.1982	0.7688	0.4659	0.1462
105	2.2294	0.7655	0.4373	0.1389
110	2.2425	0.7625	0.4095	0.1313
115	2.2361	0.7597	0.3814	0.1234
120	2.2092	0.7571	0.3530	0.1152
125	2.1605	0.7548	0.3244	0.1067
130	2.0892	0.7526	0.2956	0.0979
135	1.9943	0.7507	0.2666	0.0889
140	1.8751	0.7490	0.2375	0.0796
145	1.7310	0.7475	0.2081	0.0701
150	1.5614	0.7463	0.1787	0.0605
155	1.3661	0.7452	0.1491	0.0506
160	1.1448	0.7443	0.1194	0.0407
165	0.8974	0.7436	0.0896	0.0306
170	0.6240	0.7431	0.0598	0.0204
175	0.3247	0.7428	0.0299	0.0102
180	0.	0.7427	0.	0.

SAMMA=1.0000 ALPHA=12.000 K=20.000

EC= 3.1759 XR= 1.07355 BR= 1.09725
TR= 4.7716 CR= 0.08328 QR= 2.90696

THETA	SI	XI	BI	S1
0	1.0000	0.99380	0.9573	0.5596
5	0.1347	0.9036	0.9147	0.3858
10	0.2759	0.8795	0.8811	0.3137
15	0.4142	0.8605	0.8517	0.2742
20	0.5523	0.8447	0.8245	0.2492
25	0.6917	0.8310	0.7987	0.2318
30	0.8326	0.8190	0.7737	0.2188
35	0.9747	0.8082	0.7493	0.2085
40	1.1174	0.7985	0.7251	0.2001
45	1.2595	0.7896	0.7011	0.1927
50	1.4000	0.7815	0.6771	0.1862
55	1.5376	0.7740	0.6531	0.1801
60	1.6708	0.7670	0.6289	0.1742
65	1.7982	0.7606	0.6047	0.1685
70	1.9182	0.7546	0.5803	0.1629
75	2.0293	0.7491	0.5557	0.1572
80	2.1301	0.7439	0.5309	0.1514
85	2.2188	0.7391	0.5060	0.1454
90	2.2940	0.7346	0.4808	0.1393
95	2.3543	0.7305	0.4554	0.1330
100	2.3981	0.7266	0.4298	0.1265
105	2.4241	0.7231	0.4040	0.1199
110	2.4310	0.7198	0.3780	0.1130
115	2.4175	0.7168	0.3518	0.1059
120	2.3825	0.7140	0.3255	0.0986
125	2.3248	0.7115	0.2990	0.0911
130	2.2436	0.7092	0.2723	0.0834
135	2.1379	0.7072	0.2455	0.0756
140	2.0070	0.7054	0.2185	0.0676
145	1.8553	0.7038	0.1915	0.0595
150	1.6671	0.7024	0.1643	0.0512
155	1.4572	0.7012	0.1371	0.0429
160	1.2221	0.7003	0.1098	0.0344
165	0.9559	0.6996	0.0824	0.0259
170	0.6643	0.6991	0.0549	0.0173
175	0.3456	0.6987	0.0275	0.0086
180	0.	0.6986	0.	0.

GAMMA = 1.0000

ALPHA = 13.000

K = 0.200

DC = 1.8011

XD = 1.6240

BO = 1.992224

VZ = -0.4419E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.8988	1.4597	0.4495	0.8988	1.4597	0.4601			
5	0.9999	0.8978	1.4323	0.4562	0.8998	1.4861	0.4526	2.6141	2.6519	12.0629
10	1.0383	0.8967	1.4041	0.4620	0.9008	1.5116	0.4446	2.3362	2.4020	4.4388
15	1.0984	0.8957	1.3749	0.4668	0.9018	1.5362	0.4359	2.1909	2.2811	2.3905
20	1.1745	0.8947	1.3468	0.4707	0.9028	1.5599	0.4267	2.0954	2.2074	1.5023
25	1.2633	0.8937	1.3138	0.4735	0.9038	1.5827	0.4170	2.0259	2.1577	1.0263
30	1.3621	0.8928	1.2819	0.4753	0.9047	1.6046	0.4070	1.9723	2.1221	0.7385
35	1.4687	0.8918	1.2491	0.4760	0.9057	1.6257	0.3965	1.9292	2.0957	0.5503
40	1.5810	0.8908	1.2154	0.4755	0.9067	1.6459	0.3858	1.8937	2.0756	0.4206
45	1.6973	0.8899	1.1808	0.4737	0.9076	1.6652	0.3749	1.8639	2.0599	0.3275
50	1.8157	0.8889	1.1454	0.4708	0.9085	1.6837	0.3639	1.8384	2.0475	0.2586
55	1.9347	0.8880	1.1091	0.4666	0.9094	1.7014	0.3527	1.8164	2.0376	0.2066
60	2.0525	0.8871	1.0720	0.4611	0.9103	1.7184	0.3416	1.7972	2.0297	0.1665
65	2.1677	0.8863	1.0340	0.4544	0.9111	1.7345	0.3305	1.7803	2.0232	0.1351
70	2.2787	0.8854	0.9953	0.4463	0.9120	1.7499	0.3194	1.7654	2.0179	0.1103
75	2.3840	0.8846	0.9558	0.4370	0.9128	1.7645	0.3085	1.7522	2.0136	0.0905
80	2.4823	0.8838	0.9155	0.4263	0.9136	1.7785	0.2978	1.7404	2.0100	0.0746
85	2.5723	0.8830	0.8745	0.4144	0.9143	1.7917	0.2873	1.7298	2.0071	0.0617
90	2.6527	0.8823	0.8328	0.4012	0.9151	1.8043	0.2772	1.7203	2.0046	0.0511
95	2.7223	0.8816	0.7904	0.3867	0.9158	1.8162	0.2673	1.7117	2.0026	0.0425
100	2.7801	0.8809	0.7474	0.3711	0.9165	1.8274	0.2578	1.7040	2.0009	0.0354
105	2.8251	0.8803	0.7038	0.3542	0.9171	1.8381	0.2487	1.6970	1.9995	0.0296
110	2.8564	0.8797	0.6596	0.3362	0.9177	1.8482	0.2401	1.6907	1.9983	0.0248
115	2.8733	0.8791	0.6148	0.3172	0.9184	1.8577	0.2319	1.6849	1.9974	0.0208
120	2.8751	0.8786	0.5696	0.2970	0.9189	1.8667	0.2243	1.6797	1.9965	0.0175
125	2.8613	0.8781	0.5238	0.2760	0.9195	1.8751	0.2171	1.6749	1.9958	0.0147
130	2.8315	0.8777	0.4776	0.2539	0.9200	1.8831	0.2105	1.6706	1.9953	0.0125
135	2.7855	0.8773	0.4310	0.2311	0.9205	1.8906	0.2045	1.6666	1.9948	0.0106
140	2.7231	0.8769	0.3841	0.2074	0.9210	1.8976	0.1990	1.6630	1.9944	0.0090
145	2.6443	0.8766	0.3368	0.1831	0.9214	1.9042	0.1942	1.6597	1.9940	0.0078
150	2.5494	0.8763	0.2892	0.1581	0.9219	1.9104	0.1899	1.6567	1.9937	0.0068
155	2.4387	0.8761	0.2414	0.1326	0.9223	1.9162	0.1863	1.6540	1.9935	0.0059
160	2.3127	0.8759	0.1934	0.1066	0.9227	1.9217	0.1834	1.6515	1.9933	0.0053
165	2.1720	0.8757	0.1452	0.0803	0.9230	1.9268	0.1811	1.6492	1.9931	0.0048
170	2.0174	0.8756	0.0969	0.0537	0.9234	1.9315	0.1794	1.6471	1.9930	0.0045
175	1.8500	0.8756	0.0484	0.0269	0.9237	1.9359	0.1784	1.6452	1.9929	0.0043
180	1.6708	0.8755	0.	0.	0.9240	1.9401	0.1781	1.6434	1.9928	0.0042

GAMMA = 1.0000

ALPHA = 13.000

K = 0.400

DC = 1.9773

XD = 1.4353

BO = 1.771634

VZ = -0.5128E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9058	1.3166	0.3553	0.9058	1.3166	0.3647			
5	0.9997	0.9040	1.2926	0.3616	0.9075	1.3397	0.3577	2.3289	2.3626	9.5745
10	1.0380	0.9023	1.2677	0.3673	0.9092	1.3619	0.3502	2.0812	2.1398	3.5238
15	1.0981	0.9006	1.2420	0.3722	0.9110	1.3833	0.3423	1.9518	2.0321	1.8987
20	1.1745	0.8990	1.2154	0.3763	0.9127	1.4039	0.3341	1.8667	1.9664	1.1943
25	1.2638	0.8973	1.1880	0.3795	0.9144	1.4237	0.3255	1.8046	1.9220	0.8169
30	1.3631	0.8957	1.1597	0.3819	0.9162	1.4426	0.3166	1.7567	1.8903	0.5888
35	1.4704	0.8941	1.1305	0.3833	0.9179	1.4607	0.3075	1.7181	1.8666	0.4398
40	1.5835	0.8925	1.1005	0.3838	0.9196	1.4781	0.2983	1.6863	1.8485	0.3369
45	1.7006	0.8910	1.0697	0.3833	0.9213	1.4946	0.2890	1.6594	1.8344	0.2631
50	1.8199	0.8895	1.0380	0.3817	0.9230	1.5104	0.2796	1.6365	1.8232	0.2085
55	1.9397	0.8881	1.0055	0.3790	0.9247	1.5255	0.2702	1.6166	1.8142	0.1672
60	2.0584	0.8866	0.9722	0.3753	0.9263	1.5399	0.2609	1.5992	1.8070	0.1353
65	2.1744	0.8853	0.9381	0.3704	0.9279	1.5535	0.2517	1.5839	1.8010	0.1103
70	2.2862	0.8839	0.9033	0.3645	0.9295	1.5665	0.2427	1.5704	1.7962	0.0905
75	2.3922	0.8826	0.8677	0.3574	0.9310	1.5789	0.2338	1.5583	1.7922	0.0746
80	2.4911	0.8814	0.8314	0.3492	0.9325	1.5906	0.2252	1.5474	1.7889	0.0618
85	2.5816	0.8802	0.7944	0.3399	0.9340	1.6017	0.2168	1.5377	1.7861	0.0514
90	2.6623	0.8791	0.7567	0.3295	0.9355	1.6122	0.2087	1.5289	1.7838	0.0429
95	2.7321	0.8780	0.7184	0.3180	0.9369	1.6221	0.2010	1.5210	1.7819	0.0359
100	2.7898	0.8770	0.6795	0.3054	0.9383	1.6315	0.1936	1.5138	1.7803	0.0301
105	2.8344	0.8760	0.6400	0.2919	0.9396	1.6404	0.1865	1.5072	1.7790	0.0253
110	2.8649	0.8751	0.5999	0.2773	0.9409	1.6488	0.1799	1.5013	1.7778	0.0214
115	2.8806	0.8742	0.5593	0.2618	0.9421	1.6567	0.1736	1.4959	1.7769	0.0181
120	2.8807	0.8735	0.5182	0.2454	0.9433	1.6642	0.1678	1.4909	1.7761	0.0153
125	2.8646	0.8727	0.4767	0.2281	0.9445	1.6712	0.1623	1.4864	1.7754	0.0130
130	2.8318	0.8720	0.4347	0.2101	0.9456	1.6778	0.1574	1.4822	1.7748	0.0111
135	2.7821	0.8714	0.3924	0.1912	0.9467	1.6840	0.1529	1.4785	1.7743	0.0095
140	2.7151	0.8709	0.3497	0.1718	0.9477	1.6898	0.1488	1.4750	1.7739	0.0082
145	2.6309	0.8704	0.3067	0.1517	0.9487	1.6953	0.1452	1.4718	1.7736	0.0071
150	2.5295	0.8700	0.2634	0.1310	0.9496	1.7005	0.1421	1.4689	1.7733	0.0063
155	2.4112	0.8696	0.2198	0.1099	0.9505	1.7053	0.1395	1.4662	1.7730	0.0056
160	2.2765	0.8693	0.1761	0.0884	0.9514	1.7098	0.1373	1.4638	1.7728	0.0050
165	2.1259	0.8691	0.1322	0.0666	0.9522	1.7141	0.1356	1.4615	1.7726	0.0046
170	1.9602	0.8689	0.0882	0.0445	0.9530	1.7180	0.1344	1.4594	1.7725	0.0043
175	1.7804	0.8688	0.0441	0.0223	0.9537	1.7217	0.1337	1.4575	1.7724	0.0041
180	1.5876	0.8688	0.	0.	0.9544	1.7252	0.1334	1.4558	1.7723	0.0041

GAMMA = 1.0000

ALPHA = 13.000

K = 0.600

DC = 2.0817

X0 = 1.3204

B0 = 1.650174

V2 = -0.4947E 01

THETA	S1	K1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9107	1.2433	0.3104	0.9107	1.2433	0.3199			
5	1.0000	0.9083	1.2211	0.3167	0.9131	1.2667	0.3131	2.1766	2.2081	8.3668
10	1.0389	0.9060	1.1980	0.3224	0.9155	1.2852	0.3058	1.9450	1.9999	3.0801
15	1.1001	0.9037	1.1741	0.3274	0.9179	1.3049	0.2981	1.8241	1.8992	1.6614
20	1.1779	0.9015	1.1493	0.3317	0.9203	1.3238	0.2901	1.7443	1.8376	1.0469
25	1.2688	0.8993	1.1237	0.3352	0.9228	1.3418	0.2818	1.6861	1.7959	0.7178
30	1.3698	0.8971	1.0973	0.3379	0.9252	1.3591	0.2733	1.6410	1.7660	0.5189
35	1.4787	0.8950	1.0700	0.3398	0.9277	1.3756	0.2646	1.6046	1.7436	0.3890
40	1.5933	0.8930	1.0419	0.3407	0.9302	1.3914	0.2558	1.5745	1.7265	0.2992
45	1.7118	0.8910	1.0129	0.3407	0.9326	1.4064	0.2469	1.5490	1.7130	0.2348
50	1.8321	0.8890	0.9832	0.3398	0.9351	1.4206	0.2380	1.5272	1.7023	0.1871
55	1.9525	0.8871	0.9526	0.3378	0.9375	1.4341	0.2292	1.5081	1.6936	0.1509
60	2.0716	0.8853	0.9213	0.3349	0.9400	1.4470	0.2205	1.4914	1.6866	0.1229
65	2.1876	0.8835	0.8892	0.3309	0.9424	1.4592	0.2119	1.4767	1.6808	0.1009
70	2.2990	0.8818	0.8563	0.3259	0.9448	1.4708	0.2035	1.4635	1.6761	0.0834
75	2.4043	0.8802	0.8227	0.3199	0.9471	1.4817	0.1953	1.4517	1.6721	0.0694
80	2.5020	0.8786	0.7885	0.3128	0.9495	1.4921	0.1874	1.4411	1.6688	0.0580
85	2.5909	0.8771	0.7535	0.3047	0.9518	1.5018	0.1797	1.4315	1.6660	0.0487
90	2.6695	0.8756	0.7179	0.2956	0.9541	1.5110	0.1723	1.4228	1.6637	0.0410
95	2.7367	0.8743	0.6816	0.2855	0.9563	1.5197	0.1653	1.4149	1.6617	0.0347
100	2.7913	0.8730	0.6448	0.2744	0.9585	1.5279	0.1586	1.4077	1.6600	0.0295
105	2.8323	0.8718	0.6074	0.2624	0.9606	1.5356	0.1523	1.4011	1.6586	0.0251
110	2.8588	0.8706	0.5694	0.2494	0.9627	1.5429	0.1463	1.3950	1.6574	0.0214
115	2.8698	0.8696	0.5309	0.2356	0.9648	1.5499	0.1407	1.3894	1.6564	0.0183
120	2.8648	0.8686	0.4920	0.2209	0.9668	1.5561	0.1355	1.3843	1.6555	0.0158
125	2.8429	0.8676	0.4526	0.2054	0.9688	1.5621	0.1308	1.3796	1.6548	0.0136
130	2.8038	0.8668	0.4128	0.1892	0.9707	1.5678	0.1264	1.3753	1.6541	0.0118
135	2.7471	0.8660	0.3728	0.1723	0.9725	1.5731	0.1224	1.3713	1.6536	0.0103
140	2.6725	0.8654	0.3321	0.1548	0.9743	1.5781	0.1189	1.3676	1.6531	0.0090
145	2.5800	0.8648	0.2912	0.1367	0.9760	1.5827	0.1158	1.3642	1.6527	0.0080
150	2.4698	0.8642	0.2501	0.1182	0.9777	1.5871	0.1130	1.3611	1.6523	0.0071
155	2.3419	0.8638	0.2088	0.0991	0.9794	1.5912	0.1107	1.3582	1.6520	0.0064
160	2.1969	0.8634	0.1673	0.0798	0.9809	1.5950	0.1089	1.3555	1.6518	0.0059
165	2.0353	0.8631	0.1258	0.0601	0.9825	1.5986	0.1074	1.3530	1.6516	0.0055
170	1.8580	0.8629	0.0838	0.0402	0.9839	1.6019	0.1064	1.3507	1.6514	0.0052
175	1.6659	0.8628	0.0419	0.0201	0.9853	1.6051	0.1057	1.3485	1.6512	0.0050
180	1.4603	0.8628	0.	0.	0.9867	1.6080	0.1055	1.3465	1.6511	0.0050

GAMMA = 1.0000

ALPHA = 13.000

K = 0.800

DC = 2.1559

X0 = 1.2098

B0 = 1.563571

V2 = -0.2558E 01

THETA	S1	K1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9144	1.1963	0.2835	0.9144	1.1963	0.2910			
5	1.0003	0.9115	1.1752	0.2897	0.9174	1.2166	0.2842	2.0748	2.1047	7.6011
10	1.0403	0.9086	1.1533	0.2954	0.9204	1.2360	0.2770	1.8539	1.9062	2.8014
15	1.1031	0.9058	1.1305	0.3005	0.9235	1.2546	0.2694	1.7384	1.8100	1.5137
20	1.1830	0.9031	1.1069	0.3048	0.9266	1.2724	0.2615	1.6621	1.7510	0.9563
25	1.2760	0.9004	1.0825	0.3085	0.9297	1.2894	0.2533	1.6062	1.7111	0.6579
30	1.3793	0.8978	1.0572	0.3113	0.9329	1.3057	0.2449	1.5628	1.6822	0.4776
35	1.4903	0.8952	1.0311	0.3134	0.9361	1.3211	0.2364	1.5277	1.6606	0.3597
40	1.6088	0.8927	1.0041	0.3146	0.9394	1.3358	0.2278	1.4985	1.6439	0.2784
45	1.7289	0.8903	0.9764	0.3149	0.9426	1.3498	0.2191	1.4737	1.6307	0.2199
50	1.8485	0.8880	0.9478	0.3143	0.9459	1.3630	0.2104	1.4523	1.6201	0.1765
55	1.9699	0.8857	0.9185	0.3128	0.9492	1.3755	0.2018	1.4336	1.6115	0.1435
60	2.0894	0.8836	0.8884	0.3103	0.9525	1.3874	0.1933	1.4171	1.6045	0.1180
65	2.2053	0.8815	0.8576	0.3068	0.9558	1.3986	0.1849	1.4024	1.5986	0.0979
70	2.3159	0.8794	0.8260	0.3024	0.9591	1.4092	0.1767	1.3892	1.5938	0.0819
75	2.4198	0.8775	0.7937	0.2969	0.9624	1.4192	0.1687	1.3773	1.5897	0.0689
80	2.5156	0.8757	0.7607	0.2905	0.9657	1.4288	0.1610	1.3665	1.5862	0.0584
85	2.6017	0.8739	0.7270	0.2831	0.9689	1.4374	0.1535	1.3566	1.5833	0.0498
90	2.6771	0.8722	0.6927	0.2748	0.9722	1.4457	0.1464	1.3476	1.5807	0.0426
95	2.7403	0.8706	0.6578	0.2655	0.9754	1.4535	0.1395	1.3394	1.5786	0.0367
100	2.7904	0.8691	0.6223	0.2553	0.9786	1.4608	0.1331	1.3317	1.5767	0.0317
105	2.8261	0.8677	0.5862	0.2441	0.9818	1.4677	0.1269	1.3247	1.5751	0.0276
110	2.8466	0.8664	0.5496	0.2322	0.9850	1.4741	0.1212	1.3182	1.5738	0.0241
115	2.8511	0.8651	0.5125	0.2193	0.9881	1.4800	0.1158	1.3121	1.5726	0.0211
120	2.8388	0.8640	0.4749	0.2057	0.9912	1.4856	0.1108	1.3065	1.5715	0.0186
125	2.8090	0.8629	0.4369	0.1914	0.9942	1.4909	0.1062	1.3013	1.5706	0.0165
130	2.7615	0.8620	0.3985	0.1763	0.9972	1.4958	0.1020	1.2964	1.5698	0.0147
135	2.6957	0.8611	0.3597	0.1606	1.0002	1.5003	0.0982	1.2918	1.5691	0.0132
140	2.6115	0.8603	0.3206	0.1443	1.0031	1.5046	0.0948	1.2875	1.5685	0.0119
145	2.5089	0.8596	0.2812	0.1274	1.0060	1.5085	0.0918	1.2835	1.5680	0.0109
150	2.3880	0.8590	0.2415	0.1101	1.0088	1.5122	0.0892	1.2797	1.5675	0.0100
155	2.2491	0.8585	0.2016	0.0924	1.0116	1.5156	0.0870	1.2762	1.5671	0.0093
160	2.0926	0.8581	0.1615	0.0744	1.0143	1.5188	0.0852	1.2728	1.5667	0.0087
165	1.9191	0.8578	0.1213	0.0560	1.0170	1.5218	0.0838	1.2697	1.5664	0.0083
170	1.7296	0.8575	0.0802	0.0375	1.0196	1.5245	0.0828	1.2667	1.5661	0.0080
175	1.5251	0.8574	0.0405	0.0188	1.0221	1.5271	0.0823	1.2639	1.5658	0.0079
180	1.3066	0.8573	0.	0.	1.0247	1.5295	0.0820	1.2613	1.5656	0.0078

GAMMA = 1.0000

ALPHA = 13.000

K = 1.000

DC = 2.2134 XR = 1.1274 BR = 1.487495 TR = 163.90 CR = 3.4225 QR = 0.6063E 04										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9174	1.1630	0.2656	0.9174	1.1630	0.2656			
5	1.0003	0.9139	1.1426	0.2718	0.9209	1.1825	0.2589	1.9989	2.0278	7.0578
10	1.0407	0.9106	1.1214	0.2774	0.9246	1.2012	0.2518	1.7861	1.8364	2.6041
15	1.1046	0.9073	1.0994	0.2824	0.9283	1.2191	0.2442	1.6745	1.7435	1.4101
20	1.1857	0.9041	1.0766	0.2868	0.9320	1.2361	0.2364	1.6006	1.6864	0.8985
25	1.2801	0.9009	1.0530	0.2904	0.9359	1.2524	0.2282	1.5464	1.6476	0.6171
30	1.3846	0.8979	1.0285	0.2934	0.9398	1.2679	0.2199	1.5041	1.6194	0.4502
35	1.4966	0.8950	1.0032	0.2955	0.9437	1.2827	0.2114	1.4697	1.5981	0.3410
40	1.6138	0.8921	0.9771	0.2968	0.9477	1.2967	0.2027	1.4410	1.5816	0.2656
45	1.7341	0.8894	0.9501	0.2973	0.9518	1.3108	0.1940	1.4165	1.5684	0.2114
50	1.8554	0.8867	0.9225	0.2969	0.9560	1.3226	0.1853	1.3951	1.5578	0.1712
55	1.9759	0.8841	0.8940	0.2956	0.9602	1.3345	0.1766	1.3764	1.5491	0.1405
60	2.0938	0.8817	0.8647	0.2934	0.9644	1.3437	0.1680	1.3597	1.5419	0.1168
65	2.2072	0.8793	0.8348	0.2902	0.9687	1.3563	0.1595	1.3447	1.5358	0.0981
70	2.3145	0.8770	0.8041	0.2861	0.9731	1.3662	0.1512	1.3311	1.5307	0.0831
75	2.4141	0.8748	0.7727	0.2811	0.9775	1.3738	0.1430	1.3187	1.5263	0.0710
80	2.5045	0.8727	0.7406	0.2751	0.9819	1.3844	0.1351	1.3074	1.5225	0.0612
85	2.5842	0.8708	0.7079	0.2681	0.9864	1.3926	0.1273	1.2969	1.5192	0.0530
90	2.6517	0.8689	0.6745	0.2603	0.9909	1.4003	0.1199	1.2872	1.5164	0.0463
95	2.7058	0.8671	0.6405	0.2515	0.9955	1.4076	0.1127	1.2781	1.5139	0.0407
100	2.7452	0.8654	0.6060	0.2419	1.0001	1.4143	0.1058	1.2696	1.5117	0.0359
105	2.7688	0.8638	0.5709	0.2314	1.0047	1.4206	0.0992	1.2616	1.5097	0.0320
110	2.7756	0.8624	0.5352	0.2201	1.0094	1.4268	0.0929	1.2540	1.5080	0.0286
115	2.7644	0.8610	0.4991	0.2079	1.0141	1.4320	0.0869	1.2469	1.5064	0.0258
120	2.7346	0.8597	0.4625	0.1951	1.0189	1.4371	0.0813	1.2400	1.5050	0.0233
125	2.6854	0.8585	0.4255	0.1815	1.0237	1.4419	0.0760	1.2335	1.5037	0.0213
130	2.6162	0.8575	0.3881	0.1672	1.0286	1.4463	0.0709	1.2272	1.5025	0.0195
135	2.5266	0.8565	0.3503	0.1523	1.0336	1.4504	0.0663	1.2211	1.5014	0.0181
140	2.4163	0.8556	0.3123	0.1369	1.0386	1.4543	0.0619	1.2151	1.5004	0.0169
145	2.2853	0.8549	0.2739	0.1209	1.0437	1.4579	0.0578	1.2093	1.4994	0.0159
150	2.1338	0.8542	0.2352	0.1045	1.0489	1.4612	0.0541	1.2036	1.4985	0.0151
155	1.9623	0.8536	0.1964	0.0877	1.0543	1.4643	0.0507	1.1980	1.4977	0.0145
160	1.7718	0.8532	0.1573	0.0705	1.0598	1.4673	0.0476	1.1923	1.4968	0.0141
165	1.5639	0.8528	0.1181	0.0531	1.0656	1.4708	0.0450	1.1866	1.4960	0.0140
170	1.3335	0.8526	0.0788	0.0355	1.0716	1.4726	0.0438	1.1807	1.4952	0.0388
175	1.0022	0.8524	0.0394	0.0178	1.0780	1.4731	0.0417	1.1746	1.4944	0.0332
180	1.7565	0.8524	0.	0.	1.0849	1.4773	0.0802	1.1680	1.4935	0.0319

GAMMA = 1.0000

ALPHA = 13.000

K = 11200

DC = 2.2603 XR = 1.11128 BR = 1.429482 TR = 134.21 CR = 2.3424 QR = 0.9197E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9198	1.1378	0.2531	0.9198	1.1378	0.2531			
5	1.0014	0.9159	1.1179	0.2592	0.9239	1.1568	0.2466	1.9932	1.9672	6.6436
10	1.0446	0.9120	1.0973	0.2647	0.9281	1.1750	0.2397	1.7324	1.7812	2.4550
15	1.1121	0.9083	1.0758	0.2696	0.9324	1.1924	0.2324	1.6239	1.6908	1.3329
20	1.1975	0.9047	1.0536	0.2739	0.9368	1.2090	0.2248	1.5518	1.6351	0.8477
25	1.2967	0.9011	1.0305	0.2775	0.9413	1.2248	0.2169	1.4987	1.5970	0.5883
30	1.4064	0.8977	1.0066	0.2804	0.9460	1.2399	0.2089	1.4570	1.5692	0.4316
35	1.5239	0.8944	0.9818	0.2826	0.9507	1.2542	0.2007	1.4231	1.5481	0.3293
40	1.6470	0.8913	0.9563	0.2839	0.9556	1.2678	0.1924	1.3945	1.5315	0.2586
45	1.7735	0.8882	0.9300	0.2844	0.9606	1.2807	0.1840	1.3699	1.5183	0.2079
50	1.9015	0.8852	0.9030	0.2841	0.9657	1.2929	0.1757	1.3484	1.5074	0.1702
55	2.0290	0.8824	0.8751	0.2829	0.9709	1.3045	0.1675	1.3293	1.4984	0.1417
60	2.1545	0.8797	0.8465	0.2809	0.9763	1.3153	0.1594	1.3121	1.4908	0.1196
65	2.2762	0.8770	0.8172	0.2779	0.9818	1.3256	0.1514	1.2964	1.4843	0.1023
70	2.3926	0.8745	0.7872	0.2740	0.9875	1.3353	0.1437	1.2821	1.4787	0.0885
75	2.5026	0.8722	0.7565	0.2692	0.9933	1.3444	0.1362	1.2688	1.4738	0.0775
80	2.6049	0.8699	0.7251	0.2635	0.9993	1.3530	0.1290	1.2564	1.4695	0.0687
85	2.6985	0.8677	0.6931	0.2569	1.0054	1.3611	0.1222	1.2446	1.4656	0.0616
90	2.7830	0.8657	0.6604	0.2494	1.0118	1.3687	0.1158	1.2335	1.4621	0.0560
95	2.8580	0.8637	0.6271	0.2411	1.0185	1.3758	0.1098	1.2227	1.4589	0.0516
100	2.9241	0.8619	0.5933	0.2318	1.0254	1.3826	0.1044	1.2123	1.4559	0.0483
105	2.9829	0.8602	0.5590	0.2218	1.0328	1.3890	0.0997	1.2020	1.4531	0.0461
110	3.0384	0.8586	0.5241	0.2109	1.0406	1.3952	0.0959	1.1917	1.4504	0.0450
115	3.0988	0.8571	0.4887	0.1993	1.0491	1.4011	0.0934	1.1811	1.4476	0.0455
120	3.1636	0.8557	0.4529	0.1870	1.0585	1.4068	0.0931	1.1700	1.4448	0.0482
125	3.2346	0.8544	0.4167	0.1740	1.0695	1.4127	0.0974	1.1577	1.4417	0.0566
130	3.3131	0.8533	0.3800	0.1603	1.0838	1.4192	0.1179	1.1423	1.4378	0.0790
135	1.6568	0.8522	0.3431	0.1460						
140	1.5627	0.8513	0.3058	0.1312						
145	1.4466	0.8505	0.2682	0.1159						
150	1.3080	0.8497	0.2303	0.1002						
155	1.1467	0.8491	0.1923	0.0841						
160	0.9625	0.8486	0.1540	0.0676						
165	0.7554	0.8483	0.1157	0.0510						
170	0.5257	0.8480	0.0772	0.0341						
175	0.2737	0.8478	0.0386	0.0171						
180	0.	0.8478	0.	0.						

GAMMA = 1.0000 ALPHA = 13.000 K = 1.400

DC = 2.3000 XR = 1.1043 BR = 1.385304 TR = 105.23 CR = 1.8367 QR = 0.3683E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.2419	1.1180	0.2443	0.9219	1.1180	0.2443			
5	1.0036	0.9174	1.0985	0.2501	0.9265	1.1366	0.2380	1.8899	1.9172	6.3137
10	1.0494	0.9131	1.0782	0.2554	0.9312	1.1545	0.2314	1.6880	1.7356	2.3374
15	1.1213	0.9090	1.0571	0.2602	0.9361	1.1716	0.2244	1.5820	1.6474	1.2729
20	1.2120	0.9049	1.0353	0.2643	0.9412	1.1879	0.2172	1.5113	1.5926	0.8130
25	1.3172	0.9011	1.0126	0.2678	0.9464	1.2035	0.2097	1.4589	1.5550	0.5673
30	1.4337	0.8973	0.9891	0.2706	0.9518	1.2184	0.2021	1.4177	1.5274	0.4190
35	1.5588	0.8937	0.9648	0.2727	0.9574	1.2325	0.1944	1.3838	1.5062	0.3223
40	1.6905	0.8902	0.9398	0.2741	0.9632	1.2459	0.1867	1.3551	1.4895	0.2557
45	1.8267	0.8869	0.9139	0.2746	0.9692	1.2586	0.1791	1.3302	1.4759	0.2081
50	1.9659	0.8837	0.8873	0.2743	0.9754	1.2707	0.1716	1.3082	1.4647	0.1730
55	2.1067	0.8806	0.8600	0.2732	0.9818	1.2822	0.1643	1.2884	1.4552	0.1466
60	2.2481	0.8776	0.8319	0.2712	0.9886	1.2931	0.1572	1.2704	1.4470	0.1265
65	2.3896	0.8748	0.8031	0.2683	0.9957	1.3035	0.1506	1.2536	1.4398	0.1112
70	2.5313	0.8721	0.7736	0.2646	1.0031	1.3133	0.1446	1.2379	1.4334	0.0996
75	2.6746	0.8695	0.7434	0.2600	1.0110	1.3227	0.1393	1.2229	1.4276	0.0911
80	2.8232	0.8671	0.7126	0.2545	1.0195	1.3317	0.1350	1.2084	1.4222	0.0854
85	2.9851	0.8648	0.6811	0.2481	1.0287	1.3404	0.1324	1.1939	1.4171	0.0826
90	3.1790	0.8626	0.6490	0.2409	1.0390	1.3490	0.1326	1.1792	1.4120	0.0836
95	3.4558	0.8605	0.6163	0.2328	1.0510	1.3577	0.1384	1.1635	1.4066	0.0910
100	4.0219	0.8585	0.5831	0.2239	1.0663	1.3671	0.1621	1.1451	1.4004	0.1164
105	1.8300	0.8567	0.5493	0.2142						
110	1.8519	0.8550	0.5150	0.2037						
115	1.8568	0.8534	0.4803	0.1925						
120	1.8435	0.8519	0.4451	0.1806						
125	1.8110	0.8506	0.4095	0.1680						
130	1.7583	0.8493	0.3735	0.1548						
135	1.6845	0.8482	0.3371	0.1410						
140	1.5888	0.8472	0.3005	0.1267						
145	1.4708	0.8464	0.2635	0.1119						
150	1.3299	0.8456	0.2264	0.0967						
155	1.1658	0.8449	0.1890	0.0812						
160	0.9786	0.8444	0.1514	0.0653						
165	0.7680	0.8440	0.1137	0.0492						
170	0.5345	0.8437	0.0758	0.0329						
175	0.2783	0.8435	0.0379	0.0165						
180	0.	0.8435	0.	0.						

GAMMA = 1.0000 ALPHA = 13.000 K = 1.600

DC = 2.3345 XR = 1.0986 BR = 1.350675 TR = 87.46 CR = 1.5265 QR = 0.2073E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.2336	1.1019	0.2379	0.9236	1.1019	0.2379			
5	1.0048	0.9187	1.0827	0.2434	0.9287	1.1204	0.2320	1.8480	1.8748	6.0422
10	1.0550	0.9140	1.0627	0.2485	0.9340	1.1381	0.2258	1.6507	1.6973	2.2414
15	1.1321	0.9094	1.0419	0.2530	0.9395	1.1550	0.2192	1.5465	1.6104	1.2249
20	1.2291	0.9050	1.0203	0.2570	0.9452	1.1712	0.2125	1.4767	1.5564	0.7860
25	1.3416	0.9008	0.9979	0.2603	0.9511	1.1867	0.2056	1.4249	1.5191	0.5518
30	1.4667	0.8968	0.9748	0.2630	0.9573	1.2015	0.1987	1.3838	1.4915	0.4108
35	1.6021	0.8929	0.9508	0.2650	0.9638	1.2156	0.1919	1.3498	1.4701	0.3191
40	1.7460	0.8891	0.9261	0.2663	0.9706	1.2290	0.1852	1.3208	1.4531	0.2564
45	1.8974	0.8855	0.9006	0.2668	0.9778	1.2419	0.1787	1.2953	1.4390	0.2119
50	2.0559	0.8821	0.8744	0.2665	0.9853	1.2542	0.1728	1.2724	1.4271	0.1797
55	2.2219	0.8788	0.8474	0.2654	0.9934	1.2659	0.1674	1.2515	1.4169	0.1563
60	2.3981	0.8756	0.8198	0.2634	1.0020	1.2773	0.1631	1.2320	1.4078	0.1397
65	2.5902	0.8726	0.7914	0.2606	1.0114	1.2883	0.1603	1.2133	1.3995	0.1287
70	2.8116	0.8697	0.7623	0.2570	1.0218	1.2990	0.1602	1.1950	1.3916	0.1233
75	3.0960	0.8670	0.7325	0.2525	1.0337	1.3099	0.1651	1.1763	1.3838	0.1253
80	3.5533	0.8644	0.7021	0.2471	1.0483	1.3213	0.1829	1.1559	1.3755	0.1416
85	4.9138	0.8619	0.6711	0.2409	1.0695	1.3392	0.2652	1.1299	1.3647	0.2230
90	1.7012	0.8596	0.6395	0.2339						
95	1.7670	0.8574	0.6073	0.2261						
100	1.8197	0.8553	0.5745	0.2174						
105	1.8578	0.8534	0.5412	0.2080						
110	1.8799	0.8516	0.5075	0.1978						
115	1.8848	0.8499	0.4732	0.1869						
120	1.8713	0.8484	0.4385	0.1753						
125	1.8383	0.8469	0.4034	0.1631						
130	1.7847	0.8456	0.3680	0.1503						
135	1.7097	0.8445	0.3322	0.1369						
140	1.6126	0.8434	0.2961	0.1230						
145	1.4928	0.8425	0.2597	0.1087						
150	1.3497	0.8417	0.2230	0.0939						
155	1.1832	0.8410	0.1862	0.0788						
160	0.9932	0.8405	0.1492	0.0634						
165	0.7795	0.8401	0.1120	0.0478						
170	0.5425	0.8398	0.0747	0.0319						
175	0.2825	0.8396	0.0374	0.0160						
180	0.	0.8395	0.	0.						

GAMMA = 1.0000 ALPHA = 13.000 K = 1.800

DC = 2.3649 KR = 1.0945 BR = 1.322832 TR = 75.19 CR = 1.3123 QR = 0.1379E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9251	1.0886	0.2334	0.9251	1.0886	0.2334			
5	1.0069	0.9197	1.0696	0.2386	0.9306	1.1070	0.2279	1.8120	1.8382	5.8133
10	1.0144	0.9146	1.0497	0.2433	0.9365	1.1246	0.2222	1.6184	1.6641	2.1615
15	1.1444	0.9097	1.0291	0.2476	0.9426	1.1415	0.2162	1.5156	1.5783	1.1857
20	1.2486	0.9049	1.0077	0.2513	0.9490	1.1577	0.2102	1.4466	1.5249	0.7645
25	1.3700	0.9004	0.9856	0.2545	0.9557	1.1732	0.2041	1.3950	1.4876	0.5407
30	1.5060	0.8961	0.9627	0.2570	0.9627	1.1880	0.1983	1.3539	1.4599	0.4062
35	1.6551	0.8919	0.9390	0.2589	0.9702	1.2023	0.1927	1.3196	1.4382	0.3193
40	1.8168	0.8879	0.9145	0.2600	0.9782	1.2160	0.1876	1.2899	1.4207	0.2606
45	1.9923	0.8841	0.8894	0.2604	0.9867	1.2293	0.1834	1.2635	1.4059	0.2199
50	2.1851	0.8804	0.8634	0.2601	0.9960	1.2421	0.1805	1.2394	1.3931	0.1920
55	2.4037	0.8769	0.8368	0.2589	1.0062	1.2547	0.1798	1.2167	1.3817	0.1740
60	2.6685	0.8736	0.8094	0.2570	1.0177	1.2672	0.1832	1.1946	1.3709	0.1656
65	3.0359	0.8704	0.7814	0.2543	1.0314	1.2801	0.1953	1.1719	1.3603	0.1699
70	3.7333	0.8674	0.7527	0.2507	1.0491	1.2944	0.2348	1.1466	1.3485	0.2045
75	1.4607	0.8645	0.7233	0.2463						
80	1.5581	0.8618	0.6932	0.2410						
85	1.6468	0.8592	0.6626	0.2350						
90	1.7252	0.8568	0.6314	0.2281						
95	1.7918	0.8544	0.5995	0.2204						
100	1.8451	0.8523	0.5672	0.2120						
105	1.8836	0.8503	0.5343	0.2028						
110	1.9059	0.8484	0.5010	0.1928						
115	1.9108	0.8466	0.4672	0.1822						
120	1.8970	0.8450	0.4329	0.1709						
125	1.8634	0.8435	0.3983	0.1590						
130	1.8090	0.8422	0.3633	0.1465						
135	1.7330	0.8409	0.3279	0.1334						
140	1.6345	0.8399	0.2923	0.1199						
145	1.5130	0.8389	0.2563	0.1059						
150	1.3680	0.8381	0.2202	0.0915						
155	1.1992	0.8374	0.1838	0.0768						
160	1.0065	0.8368	0.1472	0.0618						
165	0.7900	0.8363	0.1105	0.0465						
170	0.5498	0.8360	0.0738	0.0311						
175	0.2863	0.8358	0.0369	0.0156						
180	0.	0.8358	0.	0.						

GAMMA = 1.0000 ALPHA = 13.000 K = 2.000

DC = 2.3922 KR = 1.0913 BR = 1.299967 TR = 66.10 CR = 1.1537 QR = 0.1010E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9263	1.0775	0.2303	0.9263	1.0775	0.2303			
5	1.0092	0.9206	1.0585	0.2350	0.9324	1.0958	0.2253	1.7805	1.8062	5.6167
10	1.0186	0.9150	1.0387	0.2394	0.9388	1.1134	0.2201	1.5894	1.6344	2.0940
15	1.1580	0.9098	1.0182	0.2434	0.9455	1.1303	0.2149	1.4883	1.5500	1.1533
20	1.2706	0.9047	0.9970	0.2468	0.9525	1.1466	0.2098	1.4198	1.4969	0.7483
25	1.4026	0.8999	0.9750	0.2498	0.9601	1.1622	0.2049	1.3684	1.4597	0.5332
30	1.5524	0.8953	0.9523	0.2521	0.9681	1.1773	0.2004	1.3270	1.4317	0.4048
35	1.7200	0.8909	0.9288	0.2538	0.9767	1.1920	0.1968	1.2921	1.4095	0.3228
40	1.9082	0.8867	0.9046	0.2548	0.9860	1.2062	0.1945	1.2615	1.3912	0.2688
45	2.1240	0.8826	0.8796	0.2552	0.9963	1.2202	0.1944	1.2338	1.3754	0.2336
50	2.3847	0.8788	0.8540	0.2547	1.0080	1.2341	0.1983	1.2076	1.3612	0.2135
55	2.7360	0.8751	0.8276	0.2536	1.0216	1.2484	0.2106	1.1817	1.3477	0.2092
60	3.3462	0.8716	0.8005	0.2516	1.0391	1.2641	0.2472	1.1540	1.3335	0.2345
65	6.1881	0.8683	0.7727	0.2489	1.0685	1.2898	0.4947	1.1158	1.3136	0.4754
70	1.3747	0.8651	0.7443	0.2453						
75	1.4804	0.8621	0.7152	0.2410						
80	1.5789	0.8593	0.6855	0.2358						
85	1.6686	0.8566	0.6552	0.2298						
90	1.7478	0.8540	0.6243	0.2231						
95	1.8151	0.8516	0.5928	0.2156						
100	1.8689	0.8494	0.5608	0.2073						
105	1.9077	0.8473	0.5283	0.1983						
110	1.9302	0.8453	0.4953	0.1885						
115	1.9350	0.8435	0.4619	0.1781						
120	1.9209	0.8418	0.4280	0.1671						
125	1.8868	0.8403	0.3938	0.1554						
130	1.8316	0.8389	0.3591	0.1432						
135	1.7545	0.8376	0.3242	0.1304						
140	1.6548	0.8365	0.2889	0.1172						
145	1.5317	0.8355	0.2534	0.1035						
150	1.3849	0.8346	0.2177	0.0895						
155	1.2140	0.8339	0.1817	0.0751						
160	1.0189	0.8333	0.1456	0.0604						
165	0.7997	0.8328	0.1093	0.0455						
170	0.5565	0.8325	0.0729	0.0304						
175	0.2898	0.8323	0.0365	0.0152						
180	0.	0.8322	0.	0.						

GAMMA = 1.0000 ALPHA = 13.000 K = 2.200										
DC = 2.4170 XR = 1.0888 BR = 1.280856 TR = 59.07 CR = 1.0309 QR = 0.7882E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0600	0.9274	1.0679	0.2282	0.9274	1.0679	0.2282			
5	1.0118	0.9212	1.0489	0.2325	0.9340	1.0862	0.2238	1.7524	1.7777	5.4455
10	1.0765	0.9154	1.0292	0.2364	0.9409	1.1039	0.2194	1.5638	1.6081	2.0360
15	1.1731	0.9098	1.0088	0.2401	0.9482	1.1209	0.2151	1.4638	1.5246	1.1264
20	1.2952	0.9044	0.9877	0.2432	0.9560	1.1374	0.2111	1.3957	1.4717	0.7355
25	1.4398	0.8993	0.9658	0.2459	0.9644	1.1533	0.2077	1.3442	1.4344	0.5287
30	1.6071	0.8945	0.9432	0.2481	0.9734	1.1688	0.2053	1.3024	1.4059	0.4064
35	1.8005	0.8898	0.9199	0.2496	0.9833	1.1840	0.2047	1.2667	1.3831	0.3301
40	2.0299	0.8854	0.8959	0.2505	0.9944	1.1991	0.2071	1.2348	1.3637	0.2825
45	2.3198	0.8812	0.8711	0.2507	1.0071	1.2143	0.2153	1.2050	1.3465	0.2568
50	2.7433	0.8772	0.8457	0.2502	1.0225	1.2303	0.2372	1.1754	1.3299	0.2554
55	3.6458	0.8733	0.8195	0.2490	1.0435	1.2490	0.3091	1.1424	1.3118	0.3112
60	1.1633	0.8697	0.7926	0.2470						
65	1.2799	0.8662	0.7651	0.2442						
70	1.3924	0.8629	0.7369	0.2407						
75	1.4992	0.8598	0.7081	0.2364						
80	1.5987	0.8568	0.6787	0.2313						
85	1.6892	0.8540	0.6486	0.2254						
90	1.7692	0.8514	0.6180	0.2188						
95	1.8371	0.8489	0.5869	0.2114						
100	1.8913	0.8466	0.5552	0.2032						
105	1.9304	0.8444	0.5230	0.1944						
110	1.9530	0.8424	0.4903	0.1848						
115	1.9577	0.8405	0.4572	0.1746						
120	1.9433	0.8388	0.4237	0.1637						
125	1.9087	0.8372	0.3898	0.1523						
130	1.8527	0.8357	0.3555	0.1403						
135	1.7747	0.8344	0.3209	0.1278						
140	1.6737	0.8333	0.2860	0.1148						
145	1.5491	0.8322	0.2508	0.1014						
150	1.4006	0.8314	0.2154	0.0876						
155	1.2277	0.8306	0.1798	0.0735						
160	1.0304	0.8300	0.1441	0.0592						
165	0.8087	0.8295	0.1082	0.0446						
170	0.5628	0.8292	0.0722	0.0298						
175	0.2930	0.8290	0.0361	0.0149						
180	0.	0.8289	0.	0.						

GAMMA = 1.0000 ALPHA = 13.000 K = 2.600										
DC = 2.4606 XR = 1.0851 BR = 1.250719 TR = 48.82 CR = 0.8521 QR = 0.5391E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0800	0.9293	1.0524	0.2265	0.9293	1.0524	0.2265			
5	1.0175	0.9223	1.0333	0.2296	0.9368	1.0709	0.2235	1.7040	1.7287	5.1607
10	1.0939	0.9157	1.0136	0.2326	0.9447	1.0889	0.2209	1.5201	1.5632	1.9416
15	1.2072	0.9095	0.9933	0.2355	0.9533	1.1063	0.2189	1.4213	1.4807	1.0850
20	1.3524	0.9036	0.9722	0.2380	0.9627	1.1234	0.2181	1.3535	1.4278	0.7190
25	1.5306	0.8980	0.9505	0.2402	0.9730	1.1403	0.2193	1.3014	1.3898	0.5281
30	1.7503	0.8927	0.9281	0.2419	0.9845	1.1571	0.2241	1.2581	1.3600	0.4197
35	2.0362	0.8876	0.9050	0.2430	0.9979	1.1743	0.2359	1.2197	1.3350	0.3600
40	2.4630	0.8828	0.8813	0.2436	1.0143	1.1925	0.2644	1.1831	1.3121	0.3413
45	3.4026	0.8783	0.8568	0.2436	1.0373	1.2143	0.3572	1.1437	1.2880	0.4019
50	0.9485	0.8739	0.8316	0.2429						
55	1.0710	0.8698	0.8058	0.2415						
60	1.1924	0.8659	0.7793	0.2395						
65	1.3111	0.8622	0.7522	0.2367						
70	1.4257	0.8587	0.7244	0.2331						
75	1.5344	0.8553	0.6960	0.2288						
80	1.6355	0.8522	0.6671	0.2238						
85	1.7275	0.8492	0.6375	0.2180						
90	1.8088	0.8464	0.6074	0.2115						
95	1.8777	0.8438	0.5767	0.2043						
100	1.9326	0.8413	0.5455	0.1964						
105	1.9721	0.8390	0.5139	0.1878						
110	1.9948	0.8369	0.4818	0.1785						
115	1.9992	0.8349	0.4492	0.1686						
120	1.9842	0.8331	0.4163	0.1581						
125	1.9485	0.8314	0.3829	0.1471						
130	1.8912	0.8299	0.3492	0.1355						
135	1.8112	0.8285	0.3152	0.1234						
140	1.7080	0.8273	0.2809	0.1108						
145	1.5807	0.8262	0.2464	0.0979						
150	1.4290	0.8253	0.2116	0.0846						
155	1.2526	0.8245	0.1766	0.0710						
160	1.0512	0.8239	0.1415	0.0571						
165	0.8250	0.8234	0.1062	0.0430						
170	0.5741	0.8230	0.0709	0.0288						
175	0.2989	0.8228	0.0355	0.0144						
180	0.	0.8227	0.	0.						

GAMMA = 1.0000 ALPHA = 13.000 K = 3.000

DC = 2.4982 XR = 1.0825 BR = 1.228030 TR = 41.67 CR = 0.7273 QR = 0.4059E 02										
THEIA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9308	1.0404	0.2270	0.9308	1.0404	0.2270			
5	1.0241	0.9230	1.0211	0.2288	0.9391	1.0592	0.2258	1.6633	1.6874	4.9322
10	1.1137	0.9158	1.0013	0.2308	0.9482	1.0776	0.2255	1.4832	1.5253	1.8685
15	1.2469	0.9089	0.9808	0.2328	0.9582	1.0998	0.2268	1.3852	1.4433	1.0563
20	1.4222	0.9025	0.9598	0.2346	0.9693	1.1138	0.2309	1.3171	1.3901	0.7126
25	1.6506	0.8965	0.9382	0.2362	0.9819	1.1321	0.2403	1.2637	1.3509	0.5391
30	1.9681	0.8908	0.9159	0.2374	0.9969	1.1511	0.2606	1.2177	1.3189	0.4515
35	2.5044	0.8854	0.8929	0.2382	1.0162	1.1723	0.3115	1.1741	1.2897	0.4342
40	4.3951	0.8802	0.8693	0.2384	1.0477	1.2012	0.5646	1.1230	1.2560	0.6419
45	0.8474	0.8754	0.8451	0.2381						
50	0.9716	0.8708	0.8202	0.2372						
55	1.0961	0.8664	0.7946	0.2357						
60	1.2195	0.8623	0.7684	0.2335						
65	1.3401	0.8584	0.7416	0.2306						
70	1.4564	0.8547	0.7141	0.2270						
75	1.5667	0.8511	0.6861	0.2228						
80	1.6693	0.8478	0.6575	0.2178						
85	1.7625	0.8447	0.6283	0.2121						
90	1.8448	0.8418	0.5985	0.2057						
95	1.9145	0.8390	0.5683	0.1986						
100	1.9699	0.8365	0.5375	0.1909						
105	2.0097	0.8341	0.5063	0.1825						
110	2.0324	0.8318	0.4747	0.1734						
115	2.0365	0.8298	0.4426	0.1638						
120	2.0208	0.8279	0.4101	0.1535						
125	1.9841	0.8261	0.3772	0.1428						
130	1.9255	0.8245	0.3440	0.1315						
135	1.8438	0.8231	0.3105	0.1197						
140	1.7385	0.8219	0.2767	0.1076						
145	1.6088	0.8207	0.2427	0.0950						
150	1.4543	0.8198	0.2084	0.0821						
155	1.2747	0.8189	0.1740	0.0689						
160	1.0697	0.8183	0.1394	0.0554						
165	0.8395	0.8178	0.1046	0.0417						
170	0.5841	0.8174	0.0698	0.0279						
175	0.3041	0.8172	0.0349	0.0140						
180	0.	0.8171	0.	0.						

GAMMA=1.0000 ALPHA=13.000 K= 4.00

DC= 2.45751 XR= 1.07834 BR= 1.19004
TR=30.5959 CR= 0.53400 QR=24.80325

THEIA	ST	X1	B1	S1
0	1.0000	0.9334	1.0195	0.12343
5	1.0431	0.9238	0.9993	0.12319
10	1.1733	0.9151	0.9789	0.12308
15	1.3743	0.9070	0.9581	0.12304
20	1.6815	0.8995	0.9369	0.12304
25	2.2573	0.8925	0.9152	0.12304
30	0.5256	0.8859	0.8930	0.12304
35	0.6449	0.8797	0.8702	0.12302
40	0.7687	0.8740	0.8468	0.12296
45	0.8956	0.8685	0.8228	0.12286
50	1.0242	0.8634	0.7983	0.12272
55	1.1529	0.8585	0.7732	0.12252
60	1.2803	0.8539	0.7475	0.12227
65	1.4047	0.8496	0.7212	0.12196
70	1.5244	0.8455	0.6943	0.12159
75	1.6377	0.8417	0.6669	0.12116
80	1.7430	0.8381	0.6389	0.12066
85	1.8386	0.8347	0.6105	0.12010
90	1.9227	0.8315	0.5815	0.11948
95	1.9938	0.8285	0.5520	0.11879
100	2.0501	0.8257	0.5221	0.11805
105	2.0902	0.8231	0.4917	0.11724
110	2.1125	0.8207	0.4609	0.11638
115	2.1157	0.8185	0.4297	0.11546
120	2.0985	0.8164	0.3981	0.11449
125	2.0596	0.8146	0.3661	0.11347
130	1.9979	0.8129	0.3339	0.11240
135	1.9126	0.8113	0.3014	0.11128
140	1.8029	0.8100	0.2685	0.11013
145	1.6680	0.8088	0.2355	0.10895
150	1.5075	0.8077	0.2023	0.10773
155	1.3210	0.8069	0.1688	0.10648
160	1.1084	0.8061	0.1352	0.10521
165	0.8898	0.8056	0.1015	0.10393
170	0.6052	0.8052	0.0677	0.10263
175	0.3151	0.8050	0.0339	0.10132
180	0.	0.8049	0.	0.

GAMMA=1.0000 ALPHA=13.000 K= 5.00

DC= 2.46860 XR= 1.07591 BR= 1.16653
TR=24.2096 CR= 0.42254 QR=17.77140

THEIA	ST	X1	B1	S1
0	1.0000	0.9352	1.0060	0.12463
5	1.0654	0.9239	0.9848	0.12388
10	1.2474	0.9138	0.9636	0.12361
15	1.5617	0.9046	0.9423	0.12312
20	2.2523	0.8961	0.9207	0.12292
25	0.4389	0.8883	0.8988	0.12278
30	0.5567	0.8811	0.8765	0.12266
35	0.6801	0.8743	0.8537	0.12253
40	0.8078	0.8680	0.8304	0.12240
45	0.9384	0.8621	0.8066	0.12224
50	1.0705	0.8566	0.7823	0.12205
55	1.2026	0.8513	0.7574	0.12181
60	1.3330	0.8464	0.7320	0.12158
65	1.4602	0.8418	0.7061	0.12119
70	1.5825	0.8375	0.6796	0.12081
75	1.6981	0.8334	0.6527	0.12037
80	1.8054	0.8296	0.6252	0.11987
85	1.9025	0.8260	0.5972	0.11931
90	1.9879	0.8226	0.5688	0.11870
95	2.0598	0.8194	0.5399	0.11803
100	2.1166	0.8165	0.5105	0.11730
105	2.1567	0.8138	0.4807	0.11652
110	2.1786	0.8112	0.4505	0.11568
115	2.1808	0.8089	0.4200	0.11479
120	2.1621	0.8067	0.3891	0.11386
125	2.1212	0.8048	0.3578	0.11287
130	2.0570	0.8030	0.3263	0.11185
135	1.9685	0.8014	0.2945	0.11078
140	1.8551	0.7999	0.2624	0.10968
145	1.7159	0.7987	0.2301	0.10854
150	1.5505	0.7976	0.1976	0.10738
155	1.3585	0.7967	0.1649	0.10619
160	1.1397	0.7959	0.1321	0.10498
165	0.8942	0.7954	0.0992	0.10375
170	0.6222	0.7949	0.0662	0.10251
175	0.3239	0.7947	0.0331	0.10126
180	0.	0.7946	0.	0.

GAMMA=1.0000 ALPHA=13.000 K= 6.00				
DC= 2.6869		XR= 1.07432		BR= 1.15055
TR=20.0418		CR= 0.34980		QR=13.82607
THETA	ST	X1	B1	S1
0	1.0000	0.9964	0.9966	0.2608
5	1.0912	0.9235	0.9742	0.2473
10	1.3407	0.9121	0.9522	0.2388
15	1.8736	0.9019	0.9303	0.2333
20	0.3489	0.8927	0.9083	0.2294
25	0.4639	0.8843	0.8862	0.2265
30	0.5854	0.8765	0.8637	0.2242
35	0.7123	0.8693	0.8409	0.2221
40	0.8433	0.8625	0.8176	0.2200
45	0.9769	0.8562	0.7939	0.2179
50	1.1119	0.8506	0.7697	0.2155
55	1.2466	0.8449	0.7450	0.2127
60	1.3795	0.8397	0.7198	0.2096
65	1.5089	0.8348	0.6942	0.2061
70	1.6332	0.8303	0.6680	0.2021
75	1.7505	0.8260	0.6414	0.1976
80	1.8593	0.8220	0.6143	0.1925
85	1.9577	0.8182	0.5867	0.1870
90	2.0439	0.8147	0.5587	0.1809
95	2.1164	0.8115	0.5302	0.1742
100	2.1734	0.8084	0.5013	0.1671
105	2.2133	0.8056	0.4720	0.1595
110	2.2347	0.8029	0.4423	0.1513
115	2.2360	0.8005	0.4123	0.1427
120	2.2159	0.7983	0.3819	0.1336
125	2.1732	0.7962	0.3512	0.1241
130	2.1068	0.7944	0.3202	0.1142
135	2.0157	0.7927	0.2890	0.1039
140	1.8990	0.7912	0.2575	0.0932
145	1.7562	0.7899	0.2258	0.0823
150	1.5866	0.7888	0.1939	0.0711
155	1.3899	0.7879	0.1618	0.0596
160	1.1659	0.7871	0.1296	0.0479
165	0.9147	0.7865	0.0973	0.0361
170	0.6364	0.7861	0.0649	0.0241
175	0.3313	0.7858	0.0325	0.0121
180	0.	0.7857	0.	0.

GAMMA=1.0000 ALPHA=13.000 K= 8.00				
DC= 2.7697		XR= 1.07235		BR= 1.13021
TR=14.9191		CR= 0.26039		QR= 9.58422
THETA	ST	X1	B1	S1
0	1.0000	0.9381	0.9844	0.2938
5	1.1524	0.9220	0.9593	0.2660
10	1.6263	0.9085	0.9357	0.2494
15	0.2723	0.8966	0.9127	0.2387
20	0.3871	0.8861	0.8899	0.2313
25	0.5089	0.8766	0.8672	0.2258
30	0.6366	0.8679	0.8444	0.2215
35	0.7691	0.8600	0.8214	0.2179
40	0.9852	0.8526	0.7981	0.2146
45	1.0436	0.8458	0.7745	0.2115
50	1.1830	0.8394	0.7505	0.2083
55	1.3218	0.8335	0.7260	0.2050
60	1.4585	0.8279	0.7012	0.2014
65	1.5913	0.8227	0.6759	0.1975
70	1.7185	0.8179	0.6502	0.1932
75	1.8384	0.8133	0.6241	0.1885
80	1.9493	0.8091	0.5975	0.1834
85	2.0493	0.8051	0.5705	0.1778
90	2.1368	0.8014	0.5431	0.1718
95	2.2099	0.7979	0.5153	0.1653
100	2.2669	0.7947	0.4871	0.1584
105	2.3064	0.7917	0.4585	0.1510
110	2.3266	0.7889	0.4296	0.1432
115	2.3261	0.7863	0.4004	0.1349
120	2.3036	0.7840	0.3708	0.1262
125	2.2578	0.7819	0.3410	0.1172
130	2.1876	0.7799	0.3108	0.1077
135	2.0920	0.7782	0.2805	0.0980
140	1.9701	0.7766	0.2499	0.0879
145	1.8212	0.7753	0.2191	0.0775
150	1.6448	0.7741	0.1881	0.0669
155	1.4405	0.7731	0.1570	0.0561
160	1.2082	0.7723	0.1258	0.0451
165	0.9477	0.7717	0.0944	0.0340
170	0.6592	0.7712	0.0630	0.0227
175	0.3432	0.7710	0.0315	0.0114
180	0.	0.7709	0.	0.

GAMMA=1.0000 ALPHA=13.000 K= 10.00				
DC= 2.8364		XR= 1.07118		BR= 1.11781
TR=11.8864		CR= 0.20746		QR= 7.30782
THETA	ST	X1	B1	S1
0	1.0000	0.9392	0.9767	0.3297
5	1.2280	0.9201	0.9491	0.2848
10	2.2872	0.9047	0.9238	0.2599
15	0.3001	0.8915	0.8997	0.2442
20	0.4212	0.8799	0.8763	0.2336
25	0.5484	0.8696	0.8531	0.2259
30	0.6809	0.8603	0.8300	0.2199
35	0.8177	0.8517	0.8069	0.2150
40	0.9578	0.8439	0.7835	0.2108
45	1.1000	0.8367	0.7599	0.2069
50	1.2427	0.8299	0.7360	0.2031
55	1.3846	0.8237	0.7117	0.1993
60	1.5240	0.8179	0.6871	0.1953
65	1.6593	0.8124	0.6621	0.1911
70	1.7887	0.8074	0.6367	0.1867
75	1.9104	0.8026	0.6109	0.1818
80	2.0227	0.7982	0.5847	0.1767
85	2.1238	0.7941	0.5582	0.1711
90	2.2119	0.7902	0.5312	0.1651
95	2.2853	0.7866	0.5039	0.1587
100	2.3422	0.7833	0.4763	0.1519
105	2.3810	0.7802	0.4483	0.1447
110	2.4001	0.7773	0.4199	0.1371
115	2.3980	0.7747	0.3913	0.1291
120	2.3735	0.7722	0.3624	0.1207
125	2.3251	0.7700	0.3331	0.1120
130	2.2517	0.7680	0.3037	0.1029
135	2.1524	0.7662	0.2740	0.0936
140	2.0262	0.7647	0.2441	0.0839
145	1.8725	0.7633	0.2140	0.0740
150	1.6907	0.7620	0.1837	0.0639
155	1.4804	0.7610	0.1533	0.0535
160	1.2414	0.7602	0.1228	0.0430
165	0.9736	0.7596	0.0922	0.0324
170	0.6772	0.7591	0.0615	0.0216
175	0.3525	0.7588	0.0308	0.0108
180	0.	0.7587	0.	0.

GAMMA=1.0000 ALPHA=13.000 K= 20.00				
DC= 3.0612		XR= 1.06886		BR= 1.09252
TR= 4.8997		CR= 0.08552		QR= 3.35152
THETA	ST	X1	B1	S1
0	1.0000	0.9408	0.9601	0.5078
5	0.1303	0.9097	0.9210	0.3642
10	0.2760	0.8873	0.8894	0.2994
15	0.4089	0.8696	0.8615	0.2641
20	0.5498	0.8549	0.8355	0.2420
25	0.6937	0.8422	0.8107	0.2268
30	0.8409	0.8309	0.7866	0.2156
35	0.9910	0.8209	0.7628	0.2068
40	1.1431	0.8117	0.7392	0.1997
45	1.2961	0.8034	0.7156	0.1935
50	1.4486	0.7958	0.6920	0.1879
55	1.5993	0.7887	0.6682	0.1827
60	1.7465	0.7822	0.6442	0.1777
65	1.8884	0.7762	0.6201	0.1727
70	2.0234	0.7706	0.5956	0.1676
75	2.1496	0.7653	0.5709	0.1624
80	2.2652	0.7605	0.5460	0.1570
85	2.3684	0.7559	0.5207	0.1514
90	2.4573	0.7517	0.4952	0.1456
95	2.5301	0.7478	0.4694	0.1395
100	2.5851	0.7442	0.4434	0.1331
105	2.6207	0.7409	0.4171	0.1264
110	2.6351	0.7378	0.3905	0.1195
115	2.6270	0.7349	0.3637	0.1122
120	2.5948	0.7323	0.3366	0.1048
125	2.5373	0.7300	0.3093	0.0970
130	2.4533	0.7278	0.2819	0.0890
135	2.3417	0.7259	0.2542	0.0808
140	2.2017	0.7242	0.2264	0.0724
145	2.0325	0.7227	0.1984	0.0638
150	1.8334	0.7214	0.1703	0.0550
155	1.6041	0.7203	0.1421	0.0460
160	1.3443	0.7194	0.1138	0.0370
165	1.0538	0.7187	0.0854	0.0278
170	0.7327	0.7183	0.0570	0.0186
175	0.3813	0.7180	0.0285	0.0093
180	0.	0.7179	0.	0.

GAMMA = 1.0000 ALPHA = 14.000 K = 0.200

DC = 1.7971 XO = 1.6093 BO = 1.972936 V2 = -0.4543E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9034	1.4564	0.4426	0.9034	1.4564	0.4522			
5	1.0002	0.9025	1.4295	0.4496	0.9044	1.4825	0.4444	2.5883	2.6257	11.8263
10	1.0389	0.9016	1.4015	0.4558	0.9053	1.5076	0.4360	2.3131	2.3783	4.3516
15	1.0994	0.9006	1.3727	0.4610	0.9062	1.5319	0.4270	2.1694	2.2586	2.3434
20	1.1760	0.8997	1.3429	0.4653	0.9071	1.5552	0.4175	2.0748	2.1856	1.4726
25	1.2652	0.8988	1.3122	0.4686	0.9080	1.5776	0.4075	2.0060	2.1364	1.0059
30	1.3644	0.8979	1.2806	0.4708	0.9089	1.5991	0.3972	1.9529	2.1013	0.7237
35	1.4714	0.8970	1.2481	0.4718	0.9098	1.6198	0.3865	1.9103	2.0751	0.5392
40	1.5842	0.8961	1.2146	0.4717	0.9106	1.6395	0.3756	1.8751	2.0552	0.4120
45	1.7010	0.8952	1.1803	0.4704	0.9115	1.6585	0.3645	1.8456	2.0397	0.3207
50	1.8199	0.8943	1.1451	0.4679	0.9123	1.6766	0.3532	1.8204	2.0274	0.2532
55	1.9392	0.8935	1.1090	0.4641	0.9131	1.6939	0.3419	1.7986	2.0177	0.2021
60	2.0575	0.8927	1.0720	0.4590	0.9139	1.7104	0.3306	1.7797	2.0098	0.1628
65	2.1729	0.8919	1.0342	0.4526	0.9147	1.7261	0.3194	1.7630	2.0034	0.1321
70	2.2841	0.8911	0.9956	0.4449	0.9155	1.7411	0.3082	1.7483	1.9982	0.1078
75	2.3896	0.8903	0.9563	0.4359	0.9162	1.7554	0.2973	1.7352	1.9939	0.0884
80	2.4879	0.8896	0.9161	0.4255	0.9169	1.7689	0.2865	1.7236	1.9904	0.0728
85	2.5777	0.8889	0.8752	0.4138	0.9176	1.7817	0.2760	1.7131	1.9875	0.0602
90	2.6576	0.8882	0.8336	0.4009	0.9182	1.7939	0.2658	1.7037	1.9851	0.0499
95	2.7267	0.8875	0.7913	0.3867	0.9189	1.8054	0.2559	1.6953	1.9831	0.0414
100	2.7836	0.8869	0.7483	0.3712	0.9195	1.8163	0.2464	1.6877	1.9814	0.0345
105	2.8274	0.8863	0.7047	0.3545	0.9201	1.8266	0.2374	1.6808	1.9801	0.0288
110	2.8572	0.8858	0.6605	0.3367	0.9206	1.8363	0.2287	1.6745	1.9789	0.0241
115	2.8721	0.8852	0.6158	0.3177	0.9212	1.8455	0.2206	1.6689	1.9779	0.0202
120	2.8716	0.8847	0.5705	0.2977	0.9217	1.8541	0.2129	1.6637	1.9771	0.0170
125	2.8551	0.8843	0.5247	0.2766	0.9222	1.8623	0.2058	1.6590	1.9765	0.0143
130	2.8221	0.8839	0.4785	0.2546	0.9226	1.8699	0.1993	1.6548	1.9759	0.0121
135	2.7723	0.8835	0.4318	0.2318	0.9231	1.8771	0.1933	1.6509	1.9754	0.0102
140	2.7057	0.8832	0.3848	0.2081	0.9235	1.8838	0.1879	1.6474	1.9750	0.0087
145	2.6222	0.8829	0.3375	0.1837	0.9239	1.8901	0.1831	1.6441	1.9747	0.0075
150	2.5220	0.8826	0.2898	0.1587	0.9243	1.8960	0.1789	1.6412	1.9744	0.0065
155	2.4055	0.8824	0.2419	0.1331	0.9246	1.9016	0.1753	1.6385	1.9742	0.0057
160	2.2731	0.8822	0.1938	0.1071	0.9249	1.9067	0.1724	1.6360	1.9740	0.0051
165	2.1254	0.8820	0.1455	0.0806	0.9253	1.9116	0.1701	1.6338	1.9738	0.0046
170	1.9634	0.8819	0.0971	0.0539	0.9256	1.9161	0.1685	1.6317	1.9737	0.0043
175	1.7880	0.8819	0.0486	0.0270	0.9258	1.9203	0.1675	1.6298	1.9736	0.0041
180	1.6005	0.8819	0.	0.	0.9261	1.9242	0.1672	1.6281	1.9735	0.0041

GAMMA = 1.0000 ALPHA = 14.000 K = 0.400

DC = 1.9678 XO = 1.4253 BO = 1.755480 M2 = -0.5355E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9099	1.3159	0.3502	0.9099	1.3159	0.3584			
5	1.0000	0.9084	1.2923	0.3569	0.9115	1.3387	0.3510	2.3060	2.3393	9.3865
10	1.0385	0.9068	1.2677	0.3629	0.9131	1.3606	0.3433	2.0607	2.1187	3.4542
15	1.0989	0.9052	1.2423	0.3682	0.9147	1.3817	0.3351	1.9324	2.0120	1.8606
20	1.1757	0.9037	1.2160	0.3727	0.9163	1.4019	0.3265	1.8484	1.9471	1.1698
25	1.2652	0.9021	1.1888	0.3763	0.9179	1.4213	0.3177	1.7870	1.9032	0.7997
30	1.3648	0.9006	1.1608	0.3791	0.9195	1.4398	0.3086	1.7396	1.8718	0.5760
35	1.4724	0.8991	1.1318	0.3809	0.9211	1.4576	0.2993	1.7015	1.8485	0.4298
40	1.5859	0.8977	1.1020	0.3818	0.9226	1.4745	0.2898	1.6701	1.8306	0.3289
45	1.7035	0.8963	1.0714	0.3816	0.9242	1.4907	0.2803	1.6436	1.8167	0.2566
50	1.8233	0.8949	1.0399	0.3804	0.9257	1.5062	0.2708	1.6210	1.8057	0.2031
55	1.9437	0.8935	1.0075	0.3782	0.9272	1.5209	0.2613	1.6014	1.7969	0.1626
60	2.0630	0.8922	0.9744	0.3748	0.9287	1.5348	0.2519	1.5843	1.7897	0.1314
65	2.1795	0.8909	0.9404	0.3702	0.9302	1.5481	0.2426	1.5693	1.7839	0.1069
70	2.2918	0.8897	0.9056	0.3646	0.9316	1.5607	0.2334	1.5560	1.7792	0.0876
75	2.3984	0.8885	0.8701	0.3578	0.9330	1.5727	0.2245	1.5441	1.7753	0.0721
80	2.4977	0.8873	0.8339	0.3499	0.9343	1.5840	0.2159	1.5335	1.7721	0.0596
85	2.5884	0.8862	0.7969	0.3408	0.9357	1.5948	0.2074	1.5240	1.7694	0.0495
90	2.6691	0.8851	0.7593	0.3306	0.9370	1.6049	0.1994	1.5154	1.7672	0.0412
95	2.7387	0.8841	0.7209	0.3193	0.9382	1.6145	0.1916	1.5076	1.7653	0.0344
100	2.7959	0.8832	0.6820	0.3069	0.9394	1.6236	0.1842	1.5006	1.7637	0.0288
105	2.8396	0.8823	0.6424	0.2934	0.9406	1.6321	0.1771	1.4942	1.7624	0.0242
110	2.8689	0.8814	0.6023	0.2789	0.9417	1.6402	0.1705	1.4885	1.7614	0.0203
115	2.8828	0.8806	0.5616	0.2635	0.9428	1.6478	0.1643	1.4832	1.7604	0.0172
120	2.8806	0.8799	0.5204	0.2471	0.9439	1.6549	0.1585	1.4784	1.7597	0.0145
125	2.8617	0.8792	0.4787	0.2298	0.9449	1.6616	0.1531	1.4740	1.7590	0.0123
130	2.8255	0.8785	0.4366	0.2117	0.9459	1.6679	0.1481	1.4700	1.7585	0.0105
135	2.7717	0.8780	0.3941	0.1928	0.9468	1.6739	0.1437	1.4663	1.7580	0.0090
140	2.7000	0.8775	0.3513	0.1732	0.9477	1.6794	0.1396	1.4630	1.7576	0.0077
145	2.6103	0.8770	0.3081	0.1530	0.9486	1.6846	0.1361	1.4599	1.7573	0.0067
150	2.5028	0.8766	0.2646	0.1322	0.9494	1.6895	0.1330	1.4571	1.7570	0.0058
155	2.3776	0.8763	0.2209	0.1109	0.9502	1.6941	0.1304	1.4545	1.7568	0.0052
160	2.2353	0.8760	0.1769	0.0893	0.9509	1.6984	0.1282	1.4522	1.7566	0.0046
165	2.0764	0.8758	0.1329	0.0672	0.9516	1.7024	0.1265	1.4500	1.7564	0.0043
170	1.9017	0.8756	0.0886	0.0450	0.9523	1.7061	0.1253	1.4480	1.7563	0.0040
175	1.7122	0.8755	0.0443	0.0225	0.9529	1.7096	0.1246	1.4462	1.7561	0.0038
180	1.5091	0.8755	0.	0.	0.9535	1.7129	0.1244	1.4445	1.7560	0.0038

GAMMA = 1.0000

ALPHA = 14.000

K = 0.600

DC = 2.0681

X0 = 1.3160

B0 = 1.636566

W2 = -0.5323E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9146	1.2439	0.3060	0.9146	1.2439	0.3141			
5	1.0002	0.9124	1.2220	0.3126	0.9167	1.2650	0.3069	2.1552	2.1864	8.2002
10	1.0391	0.9102	1.1993	0.3187	0.9190	1.2851	0.2993	1.9260	1.9802	3.0185
15	1.1003	0.9081	1.1757	0.3240	0.9212	1.3045	0.2914	1.8063	1.8806	1.6271
20	1.1780	0.9060	1.1512	0.3287	0.9234	1.3230	0.2831	1.7274	1.8197	1.0242
25	1.2687	0.9040	1.1258	0.3326	0.9257	1.3407	0.2745	1.6699	1.7786	0.7013
30	1.3695	0.9020	1.0996	0.3358	0.9279	1.3576	0.2657	1.6254	1.7490	0.5063
35	1.4785	0.9000	1.0725	0.3380	0.9302	1.3737	0.2568	1.5895	1.7270	0.3788
40	1.5933	0.8981	1.0446	0.3394	0.9325	1.3891	0.2479	1.5599	1.7102	0.2909
45	1.7120	0.8962	1.0158	0.3398	0.9347	1.4037	0.2389	1.5349	1.6970	0.2277
50	1.8329	0.8944	0.9862	0.3392	0.9369	1.4176	0.2300	1.5134	1.6865	0.1810
55	1.9541	0.8926	0.9558	0.3376	0.9392	1.4308	0.2211	1.4948	1.6781	0.1456
60	2.0740	0.8909	0.9246	0.3351	0.9414	1.4433	0.2124	1.4785	1.6712	0.1183
65	2.1910	0.8893	0.8926	0.3314	0.9436	1.4551	0.2038	1.4641	1.6656	0.0969
70	2.3034	0.8877	0.8598	0.3267	0.9457	1.4663	0.1954	1.4512	1.6610	0.0799
75	2.4097	0.8861	0.8262	0.3210	0.9478	1.4769	0.1872	1.4398	1.6572	0.0662
80	2.5084	0.8847	0.7920	0.3142	0.9499	1.4869	0.1793	1.4295	1.6540	0.0552
85	2.5982	0.8833	0.7570	0.3063	0.9520	1.4963	0.1717	1.4202	1.6513	0.0462
90	2.6776	0.8819	0.7214	0.2974	0.9540	1.5052	0.1644	1.4118	1.6491	0.0388
95	2.7455	0.8806	0.6851	0.2874	0.9560	1.5136	0.1574	1.4041	1.6472	0.0327
100	2.8005	0.8794	0.6481	0.2765	0.9580	1.5215	0.1508	1.3972	1.6456	0.0276
105	2.8416	0.8783	0.6106	0.2645	0.9599	1.5289	0.1446	1.3908	1.6443	0.0234
110	2.8677	0.8772	0.5725	0.2516	0.9617	1.5359	0.1387	1.3850	1.6432	0.0199
115	2.8780	0.8762	0.5339	0.2378	0.9636	1.5424	0.1332	1.3797	1.6422	0.0170
120	2.8716	0.8753	0.4948	0.2231	0.9653	1.5485	0.1282	1.3749	1.6414	0.0145
125	2.8478	0.8744	0.4553	0.2076	0.9670	1.5543	0.1235	1.3704	1.6407	0.0125
130	2.8061	0.8736	0.4153	0.1913	0.9687	1.5597	0.1192	1.3663	1.6401	0.0108
135	2.7461	0.8729	0.3749	0.1743	0.9703	1.5648	0.1153	1.3625	1.6396	0.0093
140	2.6675	0.8722	0.3341	0.1566	0.9719	1.5695	0.1119	1.3590	1.6392	0.0081
145	2.5701	0.8717	0.2931	0.1384	0.9734	1.5739	0.1088	1.3558	1.6388	0.0071
150	2.4541	0.8712	0.2517	0.1196	0.9748	1.5781	0.1062	1.3528	1.6385	0.0063
155	2.3196	0.8708	0.2101	0.1004	0.9762	1.5820	0.1040	1.3501	1.6382	0.0057
160	2.1671	0.8704	0.1684	0.0808	0.9776	1.5856	0.1021	1.3476	1.6380	0.0052
165	1.9971	0.8702	0.1264	0.0609	0.9789	1.5890	0.1007	1.3453	1.6378	0.0048
170	1.8105	0.8700	0.0843	0.0407	0.9801	1.5922	0.0997	1.3431	1.6376	0.0045
175	1.6083	0.8699	0.0422	0.0204	0.9813	1.5952	0.0991	1.3411	1.6375	0.0044
180	1.3915	0.8698	0.	0.	0.9825	1.5979	0.0989	1.3393	1.6373	0.0043

GAMMA = 1.0000

ALPHA = 14.000

K = 0.800

DC = 2.1390

X0 = 1.2209

B0 = 1.552966

W2 = -0.3758E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9181	1.1977	0.2792	0.9181	1.1977	0.2864			
5	1.0005	0.9154	1.1769	0.2858	0.9209	1.2176	0.2793	2.0542	2.0839	7.4511
10	1.0403	0.9127	1.1553	0.2919	0.9236	1.2367	0.2718	1.8356	1.8874	2.7441
15	1.1028	0.9101	1.1328	0.2973	0.9265	1.2549	0.2639	1.7215	1.7924	1.4809
20	1.1822	0.9076	1.1095	0.3021	0.9293	1.2724	0.2557	1.6461	1.7342	0.9339
25	1.2748	0.9051	1.0853	0.3062	0.9322	1.2890	0.2473	1.5911	1.6948	0.6412
30	1.3778	0.9026	1.0603	0.3095	0.9352	1.3048	0.2387	1.5484	1.6664	0.4643
35	1.4887	0.9002	1.0344	0.3119	0.9381	1.3199	0.2300	1.5139	1.6452	0.3488
40	1.6054	0.8979	1.0076	0.3136	0.9411	1.3342	0.2212	1.4853	1.6289	0.2691
45	1.7258	0.8957	0.9801	0.3143	0.9440	1.3478	0.2124	1.4610	1.6160	0.2119
50	1.8480	0.8935	0.9517	0.3141	0.9470	1.3606	0.2037	1.4402	1.6058	0.1695
55	1.9702	0.8914	0.9225	0.3129	0.9500	1.3728	0.1950	1.4219	1.5974	0.1373
60	2.0906	0.8893	0.8925	0.3108	0.9530	1.3843	0.1865	1.4059	1.5907	0.1124
65	2.2076	0.8874	0.8617	0.3077	0.9560	1.3951	0.1781	1.3917	1.5850	0.0929
70	2.3196	0.8855	0.8302	0.3036	0.9590	1.4053	0.1699	1.3789	1.5804	0.0773
75	2.4249	0.8837	0.7979	0.2984	0.9619	1.4149	0.1620	1.3674	1.5765	0.0648
80	2.5221	0.8819	0.7649	0.2923	0.9649	1.4240	0.1543	1.3570	1.5732	0.0546
85	2.6097	0.8803	0.7312	0.2851	0.9678	1.4325	0.1470	1.3476	1.5704	0.0462
90	2.6863	0.8787	0.6968	0.2769	0.9707	1.4405	0.1399	1.3390	1.5681	0.0394
95	2.7508	0.8772	0.6619	0.2678	0.9736	1.4479	0.1332	1.3311	1.5661	0.0337
100	2.8017	0.8758	0.6262	0.2577	0.9765	1.4549	0.1269	1.3239	1.5643	0.0289
105	2.8381	0.8744	0.5900	0.2466	0.9793	1.4615	0.1209	1.3173	1.5629	0.0249
110	2.8589	0.8732	0.5533	0.2347	0.9821	1.4676	0.1153	1.3111	1.5616	0.0216
115	2.8631	0.8720	0.5160	0.2219	0.9848	1.4733	0.1100	1.3054	1.5605	0.0188
120	2.8500	0.8709	0.4783	0.2082	0.9875	1.4787	0.1052	1.3002	1.5596	0.0164
125	2.8187	0.8699	0.4400	0.1938	0.9902	1.4837	0.1007	1.2953	1.5587	0.0144
130	2.7690	0.8690	0.4014	0.1786	0.9928	1.4883	0.0967	1.2907	1.5580	0.0127
135	2.7003	0.8682	0.3624	0.1628	0.9953	1.4927	0.0930	1.2865	1.5574	0.0113
140	2.6124	0.8675	0.3230	0.1463	0.9978	1.4967	0.0897	1.2826	1.5569	0.0101
145	2.5052	0.8668	0.2833	0.1293	1.0003	1.5005	0.0868	1.2789	1.5564	0.0091
150	2.3786	0.8662	0.2434	0.1118	1.0027	1.5040	0.0843	1.2755	1.5560	0.0083
155	2.2330	0.8658	0.2032	0.0938	1.0051	1.5072	0.0822	1.2723	1.5556	0.0077
160	2.0689	0.8654	0.1628	0.0755	1.0074	1.5103	0.0805	1.2693	1.5553	0.0071
165	1.8868	0.8651	0.1222	0.0569	1.0096	1.5131	0.0792	1.2664	1.5550	0.0068
170	1.6876	0.8648	0.0815	0.0380	1.0118	1.5157	0.0782	1.2638	1.5548	0.0065
175	1.4722	0.8647	0.0408	0.0191	1.0140	1.5182	0.0776	1.2613	1.5546	0.0063
180	1.2421	0.8647	0.	0.	1.0160	1.5204	0.0775	1.2590	1.5544	0.0063

GAMMA = 1.0000

ALPHA = 14.000

K = 11000

DC = 211938

NR = 11238

BR = 11480787

TR = 139139

CR = 3.8503

QR = 0.1566E 05

THEIA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9209	1.1648	0.2612	0.9209	1.1648	0.2612			
5	1.0003	0.9177	1.1448	0.2678	0.9242	1.1839	0.2542	1.9792	2.0078	6.9177
10	1.0601	0.9146	1.1240	0.2739	0.9276	1.2023	0.2467	1.7688	1.8186	2.5595
15	1.1031	0.9115	1.1023	0.2793	0.9310	1.2198	0.2389	1.6584	1.7267	1.3781
20	1.1832	0.9085	1.0797	0.2841	0.9344	1.2366	0.2307	1.5865	1.6704	0.8712
25	1.2767	0.9054	1.0563	0.2882	0.9380	1.2522	0.2223	1.5322	1.6322	0.6000
30	1.3804	0.9028	1.0321	0.2916	0.9416	1.2674	0.2138	1.4907	1.6046	0.4363
35	1.4918	0.9000	1.0070	0.2942	0.9452	1.2818	0.2051	1.4570	1.5838	0.3294
40	1.6087	0.8974	0.9811	0.2959	0.9489	1.2955	0.1963	1.4290	1.5678	0.2556
45	1.7289	0.8948	0.9544	0.2969	0.9526	1.3082	0.1874	1.4051	1.5550	0.2026
50	1.8504	0.8923	0.9269	0.2969	0.9564	1.3204	0.1786	1.3844	1.5448	0.1633
55	1.9713	0.8899	0.8985	0.2960	0.9602	1.3319	0.1699	1.3663	1.5364	0.1335
60	2.0898	0.8875	0.8694	0.2941	0.9641	1.3427	0.1613	1.3502	1.5295	0.1104
65	2.2040	0.8853	0.8395	0.2913	0.9680	1.3528	0.1528	1.3357	1.5237	0.0922
70	2.3122	0.8832	0.8088	0.2875	0.9719	1.3625	0.1445	1.3227	1.5189	0.0777
75	2.4128	0.8811	0.7774	0.2828	0.9759	1.3713	0.1364	1.3109	1.5148	0.0659
80	2.5042	0.8792	0.7453	0.2771	0.9798	1.3797	0.1285	1.3001	1.5112	0.0564
85	2.5848	0.8773	0.7126	0.2704	0.9838	1.3876	0.1209	1.2902	1.5082	0.0485
90	2.6531	0.8755	0.6791	0.2627	0.9878	1.3950	0.1136	1.2811	1.5056	0.0420
95	2.7078	0.8739	0.6451	0.2541	0.9919	1.4018	0.1065	1.2726	1.5033	0.0366
100	2.7474	0.8723	0.6104	0.2446	0.9959	1.4082	0.0998	1.2647	1.5013	0.0321
105	2.7708	0.8708	0.5751	0.2342	1.0000	1.4142	0.0933	1.2573	1.4996	0.0282
110	2.7767	0.8694	0.5393	0.2229	1.0041	1.4198	0.0872	1.2503	1.4980	0.0250
115	2.7641	0.8681	0.5030	0.2107	1.0082	1.4249	0.0815	1.2438	1.4967	0.0222
120	2.7319	0.8669	0.4662	0.1978	1.0123	1.4297	0.0759	1.2376	1.4954	0.0198
125	2.6794	0.8658	0.4290	0.1841	1.0164	1.4342	0.0707	1.2317	1.4943	0.0178
130	2.6058	0.8648	0.3913	0.1697	1.0205	1.4383	0.0658	1.2261	1.4934	0.0161
135	2.5103	0.8639	0.3533	0.1547	1.0247	1.4422	0.0612	1.2208	1.4925	0.0146
140	2.3926	0.8631	0.3149	0.1391	1.0288	1.4458	0.0569	1.2157	1.4916	0.0133
145	2.2593	0.8623	0.2762	0.1229	1.0330	1.4491	0.0515	1.2107	1.4909	0.0123
150	2.1551	0.8617	0.2373	0.1062	1.0372	1.4521	0.0474	1.2060	1.4902	0.0122
155	2.0585	0.8612	0.1981	0.0892	1.0415	1.4550	0.0438	1.2014	1.4896	0.0120
160	1.9652	0.8607	0.1587	0.0718	1.0458	1.4578	0.0401	1.1968	1.4890	0.0116
165	1.8963	0.8604	0.1192	0.0541	1.0501	1.4606	0.0362	1.1924	1.4884	0.0116
170	1.7492	0.8602	0.0795	0.0362	1.0545	1.4633	0.0325	1.1881	1.4879	0.0117
175	1.6234	0.8600	0.0398	0.0181	1.0590	1.4664	0.0282	1.1837	1.4874	0.0116
180	1.2863	0.8600	0	0	1.0635	1.4664	0.0260	1.1794	1.4869	0.0115

GAMMA = 110000

ALPHA = 14.000

K = 11200

DC = 212383

NR = 11182

BR = 11423474

TR = 143.05

CR = 2.4987

QR = 0.1488E 04

THEIA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9233	1.1399	0.2486	0.9233	1.1399	0.2486			
5	1.0012	0.9196	1.1205	0.2551	0.9270	1.1585	0.2417	1.9202	1.9479	6.5107
10	1.0432	0.9160	1.1002	0.2610	0.9309	1.1763	0.2344	1.7154	1.7638	2.4022
15	1.1091	0.9125	1.0790	0.2664	0.9349	1.1933	0.2267	1.6084	1.6747	1.3010
20	1.1929	0.9091	1.0571	0.2712	0.9390	1.2095	0.2188	1.5374	1.6199	0.8249
25	1.2904	0.9058	1.0343	0.2753	0.9432	1.2249	0.2106	1.4853	1.5825	0.5705
30	1.3986	0.9026	1.0106	0.2787	0.9474	1.2395	0.2023	1.4446	1.5553	0.4169
35	1.5149	0.8995	0.9862	0.2813	0.9518	1.2534	0.1939	1.4114	1.5348	0.3167
40	1.6368	0.8966	0.9609	0.2831	0.9562	1.2668	0.1854	1.3866	1.5188	0.2478
45	1.7624	0.8937	0.9347	0.2841	0.9608	1.2789	0.1768	1.3598	1.5060	0.1980
50	1.8894	0.8909	0.9078	0.2842	0.9656	1.2907	0.1684	1.3390	1.4956	0.1612
55	2.0161	0.8883	0.8801	0.2834	0.9702	1.3017	0.1600	1.3206	1.4870	0.1336
60	2.1407	0.8857	0.8516	0.2818	0.9751	1.3121	0.1518	1.3042	1.4799	0.1118
65	2.2613	0.8832	0.8224	0.2792	0.9800	1.3219	0.1437	1.2893	1.4738	0.0949
70	2.3765	0.8809	0.7924	0.2756	0.9851	1.3311	0.1359	1.2757	1.4685	0.0815
75	2.4847	0.8786	0.7617	0.2711	0.9903	1.3397	0.1283	1.2632	1.4640	0.0707
80	2.5845	0.8765	0.7302	0.2657	0.9956	1.3478	0.1210	1.2516	1.4601	0.0620
85	2.6746	0.8745	0.6982	0.2593	1.0010	1.3554	0.1140	1.2407	1.4566	0.0549
90	2.7539	0.8725	0.6654	0.2520	1.0066	1.3625	0.1074	1.2304	1.4535	0.0492
95	2.8215	0.8707	0.6321	0.2438	1.0124	1.3692	0.1011	1.2206	1.4507	0.0446
100	2.8768	0.8690	0.5981	0.2347	1.0184	1.3755	0.0953	1.2112	1.4481	0.0409
105	2.9196	0.8674	0.5636	0.2247	1.0245	1.3813	0.0899	1.2021	1.4457	0.0380
110	2.9506	0.8658	0.5285	0.2139	1.0310	1.3868	0.0851	1.1932	1.4435	0.0359
115	2.9713	0.8644	0.4929	0.2023	1.0378	1.3920	0.0810	1.1844	1.4414	0.0347
120	2.9857	0.8631	0.4569	0.1899	1.0451	1.3970	0.0777	1.1754	1.4393	0.0343
125	3.0025	0.8619	0.4204	0.1768	1.0529	1.4017	0.0756	1.1662	1.4372	0.0351
130	3.0149	0.8608	0.3835	0.1630	1.0617	1.4064	0.0735	1.1563	1.4350	0.0380
135	3.1724	0.8599	0.3462	0.1486	1.0721	1.4112	0.0801	1.1451	1.4325	0.0464
140	3.1767	0.8590	0.3086	0.1336	1.0863	1.4167	0.1042	1.1304	1.4291	0.0723
145	1.5026	0.8582	0.2707	0.1180						
150	1.13592	0.8575	0.2325	0.1021						
155	1.1919	0.8569	0.1941	0.0857						
160	1.0907	0.8565	0.1555	0.0689						
165	0.7856	0.8561	0.1168	0.0519						
170	0.5468	0.8558	0.0779	0.0347						
175	0.2847	0.8557	0.0390	0.0174						
180	0	0.8556	0	0						

GAMMA = 1.0000

ALPHA = 14.000

K = 1400

DC = 2.2759 RR = 1.0996 BR = 1.379684 TR = 110.43 CR = 1.9273 QR = 0.5166E 03										
INETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9252	1.1203	0.2396	0.9252	1.1203	0.2396			
5	1.0025	0.9211	1.1013	0.2458	0.9295	1.11386	0.2328	1.8712	1.8983	6.11864
10	1.0071	0.9170	1.0814	0.2516	0.9339	1.10560	0.2258	1.6718	1.7189	2.12853
15	1.1167	0.9132	1.0606	0.2569	0.9384	1.11727	0.2184	1.5672	1.6318	1.2407
20	1.2050	0.9094	1.0391	0.2615	0.9431	1.11885	0.2107	1.4977	1.5781	0.7895
25	1.3078	0.9058	1.0167	0.2655	0.9479	1.12036	0.2029	1.4454	1.5413	0.5486
30	1.4220	0.9023	0.9935	0.2689	0.9529	1.12180	0.1949	1.4061	1.5144	0.4093
35	1.5448	0.8989	0.9695	0.2715	0.9580	1.12316	0.1869	1.3792	1.4939	0.3088
40	1.6741	0.8956	0.9446	0.2733	0.9632	1.12445	0.1789	1.3544	1.4778	0.2435
45	1.8079	0.8925	0.9190	0.2743	0.9688	1.12567	0.1709	1.3314	1.4648	0.1969
50	1.9443	0.8895	0.8926	0.2745	0.9744	1.12682	0.1631	1.3003	1.4541	0.1625
55	2.0818	0.8866	0.8653	0.2738	0.9803	1.12791	0.1554	1.2814	1.4452	0.1366
60	2.2190	0.8838	0.8373	0.2722	0.9864	1.12894	0.1480	1.2643	1.4375	0.1168
65	2.3550	0.8811	0.8086	0.2697	0.9927	1.12992	0.1409	1.2485	1.4309	0.1016
70	2.4889	0.8786	0.7791	0.2663	0.9993	1.13084	0.1343	1.2338	1.4251	0.0898
75	2.6209	0.8762	0.7490	0.2620	1.0062	1.13171	0.1282	1.2200	1.4198	0.0808
80	2.7521	0.8739	0.7181	0.2568	1.0136	1.13254	0.1228	1.2067	1.4151	0.0742
85	2.8855	0.8717	0.6865	0.2507	1.0214	1.13333	0.1186	1.1938	1.4108	0.0698
90	3.0278	0.8696	0.6544	0.2436	1.0300	1.13409	0.1153	1.1809	1.4064	0.0677
95	3.1696	0.8677	0.6216	0.2357	1.0394	1.13483	0.1124	1.1678	1.4022	0.0687
100	3.3125	0.8658	0.5882	0.2269	1.0505	1.13558	0.1107	1.1537	1.3977	0.0748
105	3.4564	0.8641	0.5542	0.2173	1.0643	1.13639	0.1106	1.1379	1.3926	0.0953
110	3.6018	0.8625	0.5198	0.2069						
115	3.7486	0.8610	0.4848	0.1956						
120	3.8963	0.8596	0.4493	0.1837						
125	4.0450	0.8583	0.4134	0.1710						
130	4.1943	0.8571	0.3772	0.1576						
135	4.3440	0.8561	0.3405	0.1437						
140	4.4940	0.8552	0.3035	0.1292						
145	4.6443	0.8543	0.2662	0.1142						
150	4.7949	0.8536	0.2287	0.0987						
155	4.9456	0.8530	0.1909	0.0829						
160	5.0964	0.8525	0.1530	0.0667						
165	5.2472	0.8521	0.1149	0.0502						
170	5.3980	0.8518	0.0766	0.0336						
175	5.5489	0.8517	0.0383	0.0168						
180	0.	0.8516	0.	0.						

GAMMA = 1.0000

ALPHA = 14.000

K = 1600

DC = 2.13084 RR = 1.0939 BR = 1.135314 TR = 91.09 CR = 1.5898 QR = 0.2739E 03										
INETA	S1	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9268	1.1044	0.2329	0.9268	1.1044	0.2329			
5	1.0040	0.9223	1.0856	0.2390	0.9316	1.11225	0.2265	1.8299	1.8564	5.9191
10	1.0081	0.9179	1.0660	0.2458	0.9365	1.11997	0.2198	1.6351	1.6812	2.11898
15	1.1258	0.9136	1.0466	0.2496	0.9416	1.11567	0.2127	1.5322	1.5955	1.1923
20	1.2196	0.9095	1.0244	0.2541	0.9469	1.11718	0.2055	1.4638	1.5425	0.7618
25	1.3289	0.9058	1.0028	0.2580	0.9524	1.11867	0.1982	1.4131	1.5061	0.5322
30	1.4506	0.9018	0.9794	0.2612	0.9581	1.12009	0.1908	1.3731	1.4793	0.3940
35	1.5823	0.8981	0.9558	0.2638	0.9640	1.12145	0.1834	1.3402	1.4587	0.3042
40	1.7222	0.8946	0.9313	0.2657	0.9702	1.12273	0.1762	1.3122	1.4424	0.2427
45	1.8687	0.8912	0.9060	0.2668	0.9768	1.12395	0.1692	1.2877	1.4290	0.1991
50	2.0209	0.8880	0.8799	0.2667	0.9836	1.12512	0.1625	1.2660	1.4179	0.1673
55	2.1786	0.8849	0.8531	0.2660	0.9908	1.12622	0.1564	1.2462	1.4083	0.1429
60	2.3426	0.8819	0.8255	0.2645	0.9985	1.12728	0.1509	1.2279	1.3999	0.1268
65	2.5157	0.8791	0.7972	0.2621	1.0067	1.12830	0.1465	1.2106	1.3924	0.1147
70	2.7046	0.8764	0.7682	0.2588	1.0157	1.12928	0.1427	1.1939	1.3856	0.1072
75	2.9250	0.8738	0.7384	0.2547	1.0258	1.13024	0.1397	1.1773	1.3788	0.1046
80	3.1886	0.8714	0.7080	0.2496	1.0374	1.13121	0.1372	1.1600	1.3721	0.1089
85	3.4734	0.8690	0.6769	0.2436	1.0520	1.13226	0.1350	1.1407	1.3646	0.1301
90	3.7822	0.8668	0.6451	0.2368	1.0760	1.13368	0.1325	1.1112	1.3532	0.2928
95	4.1267	0.8648	0.6128	0.2291						
100	4.5021	0.8628	0.5799	0.2206						
105	4.9244	0.8610	0.5464	0.2112						
110	5.3992	0.8593	0.5124	0.2011						
115	5.9559	0.8577	0.4779	0.1902						
120	6.6034	0.8562	0.4430	0.1785						
125	7.3505	0.8549	0.4076	0.1662						
130	8.2060	0.8537	0.3719	0.1532						
135	9.1791	0.8526	0.3357	0.1397						
140	1.6789	0.8516	0.2993	0.1256						
145	1.5349	0.8507	0.2625	0.1110						
150	1.4064	0.8499	0.2255	0.0959						
155	1.2934	0.8493	0.1882	0.0805						
160	1.0355	0.8488	0.1508	0.0648						
165	0.8129	0.8484	0.1132	0.0488						
170	0.5658	0.8481	0.0756	0.0327						
175	0.2946	0.8479	0.0378	0.0164						
180	0.	0.8479	0.	0.						

GAMMA = 1.0000 ALPHA = 14.000 K = 11800

THETA	QT	X1	R1	S1	X2	R2	S2	X3	R3	S3
0	1.0000	0.9283	1.0913	0.2281	0.9283	1.0913	0.2281			
5	1.0057	0.9233	1.0727	0.2339	0.9335	1.0911	0.2221	1.7943	1.8203	5.6934
10	1.0571	0.9185	1.0532	0.2392	0.9389	1.1262	0.2157	1.6027	1.6480	2.1102
15	1.1363	0.9139	1.0330	0.2440	0.9445	1.1626	0.2092	1.5018	1.5639	1.1525
20	1.2365	0.9095	1.0120	0.2488	0.9504	1.1682	0.2026	1.4342	1.5116	0.7397
25	1.3536	0.9052	0.9902	0.2527	0.9566	1.1731	0.1959	1.3840	1.4754	0.5200
30	1.4849	0.9012	0.9676	0.2551	0.9631	1.1874	0.1894	1.3441	1.4486	0.3882
35	1.6285	0.8972	0.9442	0.2576	0.9700	1.2010	0.1831	1.3109	1.4278	0.3030
40	1.7835	0.8935	0.9200	0.2592	0.9772	1.2140	0.1771	1.2825	1.4110	0.2452
45	1.9500	0.8899	0.8950	0.2602	0.9850	1.2265	0.1718	1.2573	1.3971	0.2049
50	2.1299	0.8865	0.8692	0.2603	0.9933	1.2385	0.1675	1.2345	1.3852	0.1766
55	2.3279	0.8832	0.8427	0.2597	1.0023	1.2501	0.1647	1.2133	1.3747	0.1574
60	2.5558	0.8800	0.8155	0.2582	1.0124	1.2613	0.1645	1.1929	1.3650	0.1461
65	2.8426	0.8770	0.7875	0.2558	1.0239	1.2730	0.1692	1.1727	1.3558	0.1438
70	3.2808	0.8742	0.7588	0.2526	1.0380	1.2850	0.1860	1.1513	1.3463	0.1559
75	4.4128	0.8715	0.7294	0.2485	1.0579	1.2993	0.2570	1.1251	1.3346	0.2238
80	1.6061	0.8689	0.6993	0.2438						
85	1.6997	0.8665	0.6886	0.2378						
90	1.7829	0.8642	0.6873	0.2311						
95	1.8539	0.8620	0.6853	0.2236						
100	1.9111	0.8599	0.6728	0.2152						
105	1.9530	0.8580	0.6597	0.2061						
110	1.9781	0.8562	0.6502	0.1962						
115	1.9849	0.8546	0.6421	0.1855						
120	1.9722	0.8531	0.6376	0.1742						
125	1.9387	0.8517	0.64026	0.1622						
130	1.8834	0.8504	0.6373	0.1495						
135	1.8053	0.8492	0.6316	0.1363						
140	1.7037	0.8482	0.62956	0.1225						
145	1.5778	0.8473	0.62593	0.1083						
150	1.4272	0.8465	0.62227	0.0936						
155	1.2515	0.8458	0.61859	0.0786						
160	1.0508	0.8453	0.61490	0.0632						
165	0.8249	0.8449	0.61119	0.0476						
170	0.5741	0.8446	0.60746	0.0319						
175	0.2990	0.8444	0.60373	0.0160						
180	0.	0.8443	0.	0.						

GAMMA = 1.0000 ALPHA = 14.000 K = 21000

THETA	QT	X1	R1	S1	X2	R2	S2	X3	R3	S3
0	1.0000	0.9295	1.0802	0.2247	0.9295	1.0802	0.2247			
5	1.0077	0.9241	1.0617	0.2301	0.9351	1.0980	0.2191	1.7691	1.7886	5.4993
10	1.0632	0.9190	1.0424	0.2351	0.9410	1.1190	0.2133	1.5744	1.6189	2.0425
15	1.1481	0.9140	1.0223	0.2396	0.9473	1.1314	0.2073	1.4750	1.5361	1.1194
20	1.2557	0.9093	1.0015	0.2437	0.9538	1.1470	0.2015	1.4081	1.4842	0.7222
25	1.3822	0.9048	0.9798	0.2473	0.9607	1.1620	0.1958	1.3580	1.4481	0.5113
30	1.5256	0.9005	0.9574	0.2502	0.9681	1.1764	0.1904	1.3180	1.4211	0.3854
35	1.6852	0.8963	0.9342	0.2525	0.9760	1.1903	0.1857	1.2845	1.3999	0.3048
40	1.8625	0.8924	0.9102	0.2541	0.9844	1.2037	0.1819	1.2553	1.3826	0.2512
45	2.0617	0.8886	0.8855	0.2549	0.9937	1.2167	0.1798	1.2290	1.3679	0.2154
50	2.2936	0.8850	0.8600	0.2550	1.0040	1.2296	0.1804	1.2046	1.3548	0.1931
55	2.5859	0.8815	0.8338	0.2543	1.0159	1.2425	0.1864	1.1809	1.3427	0.1823
60	3.0220	0.8782	0.8068	0.2528	1.0303	1.2560	0.2051	1.1565	1.3306	0.1914
65	4.0592	0.8751	0.7791	0.2505	1.0506	1.2720	0.2771	1.1279	1.3165	0.2563
70	1.4136	0.8721	0.7507	0.2473						
75	1.5247	0.8692	0.7216	0.2433						
80	1.6285	0.8665	0.6918	0.2384						
85	1.7234	0.8640	0.6814	0.2327						
90	1.8076	0.8616	0.6804	0.2262						
95	1.8794	0.8593	0.65988	0.2188						
100	1.9374	0.8572	0.6666	0.2107						
105	1.9797	0.8552	0.6539	0.2017						
110	2.0051	0.8534	0.6507	0.1920						
115	2.0119	0.8516	0.64670	0.1816						
120	1.9990	0.8501	0.64329	0.1705						
125	1.9650	0.8486	0.63983	0.1587						
130	1.9089	0.8473	0.63633	0.1463						
135	1.8297	0.8461	0.63280	0.1333						
140	1.7266	0.8450	0.62924	0.1199						
145	1.5990	0.8441	0.62565	0.1059						
150	1.4464	0.8433	0.62203	0.0916						
155	1.2684	0.8426	0.61839	0.0769						
160	1.0649	0.8420	0.61474	0.0619						
165	0.8359	0.8416	0.61106	0.0466						
170	0.5818	0.8413	0.60738	0.0312						
175	0.3030	0.8411	0.60369	0.0156						
180	0.	0.8410	0.	0.						

GAMMA = 1.0000 ALPHA = 14.000 K = 2.200

DC = 2.3859 XR = 1.0843 BR = 1.275949 TR = 60.93 CR = 1.0634 QR = 0.9691E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9306	1.0707	0.2223	0.9306	1.0707	0.2223			
5	1.0098	0.9248	1.0522	0.2273	0.9367	1.0885	0.2172	1.7354	1.7605	5.3301
10	1.0699	0.9193	1.0330	0.2319	0.9431	1.1055	0.2120	1.5493	1.5931	1.9842
15	1.1612	0.9140	1.0130	0.2362	0.9498	1.1219	0.2069	1.4510	1.5112	1.0917
20	1.2773	0.9090	0.9923	0.2400	0.9571	1.1377	0.2020	1.3846	1.4596	0.7084
25	1.4150	0.9043	0.9708	0.2433	0.9648	1.1529	0.1975	1.3345	1.4234	0.5056
30	1.5737	0.8997	0.9486	0.2461	0.9731	1.1677	0.1939	1.2942	1.3962	0.3855
35	1.7553	0.8953	0.9255	0.2482	0.9821	1.1820	0.1916	1.2601	1.3744	0.3098
40	1.9664	0.8912	0.9017	0.2497	0.9921	1.1960	0.1915	1.2298	1.3563	0.2616
45	2.2233	0.8872	0.8772	0.2505	1.0033	1.2100	0.1955	1.2019	1.3404	0.2332
50	2.5710	0.8834	0.8519	0.2505	1.0167	1.2244	0.2082	1.1748	1.3255	0.2238
55	3.1770	0.8798	0.8259	0.2498	1.0338	1.2402	0.2462	1.1461	1.3102	0.2467
60	1.1926	0.8764	0.7991	0.2482						
65	1.3145	0.8731	0.7717	0.2459						
70	1.4325	0.8700	0.7435	0.2428						
75	1.5448	0.8670	0.7147	0.2388						
80	1.6498	0.8643	0.6852	0.2340						
85	1.7457	0.8616	0.6551	0.2284						
90	1.8309	0.8591	0.6244	0.2220						
95	1.9035	0.8568	0.5931	0.2147						
100	1.9621	0.8546	0.5612	0.2067						
105	2.0049	0.8525	0.5288	0.1979						
110	2.0304	0.8506	0.4959	0.1884						
115	2.0373	0.8488	0.4625	0.1781						
120	2.0240	0.8472	0.4287	0.1672						
125	1.9896	0.8457	0.3944	0.1556						
130	1.9327	0.8443	0.3598	0.1435						
135	1.8525	0.8431	0.3248	0.1308						
140	1.7481	0.8420	0.2896	0.1176						
145	1.6188	0.8410	0.2540	0.1039						
150	1.4642	0.8402	0.2182	0.0898						
155	1.2840	0.8395	0.1821	0.0754						
160	1.0780	0.8389	0.1459	0.0607						
165	0.8462	0.8385	0.1096	0.0457						
170	0.5890	0.8381	0.0731	0.0306						
175	0.3067	0.8379	0.0366	0.0153						
180	0.	0.8379	0.	0.						

GAMMA = 1.0000 ALPHA = 14.000 K = 2.600

DC = 2.4266 XR = 1.0807 BR = 1.245989 TR = 50.21 CR = 0.8764 QR = 0.6495E 02										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9324	1.0553	0.2200	0.9324	1.0553	0.2200			
5	1.0147	0.9258	1.0368	0.2239	0.9393	1.0732	0.2161	1.6874	1.7118	5.0484
10	1.0849	0.9197	1.0176	0.2277	0.9467	1.0904	0.2125	1.5064	1.5490	1.8887
15	1.1912	0.9138	0.9977	0.2313	0.9547	1.1072	0.2093	1.4095	1.4681	1.0485
20	1.3280	0.9083	0.9771	0.2346	0.9633	1.1235	0.2072	1.3435	1.4168	0.6895
25	1.4954	0.9031	0.9558	0.2374	0.9728	1.1394	0.2066	1.2931	1.3802	0.5020
30	1.6993	0.8981	0.9338	0.2398	0.9833	1.1552	0.2088	1.2517	1.3519	0.3945
35	1.9575	0.8933	0.9110	0.2416	0.9954	1.1711	0.2162	1.2153	1.3284	0.3329
40	2.3210	0.8888	0.8875	0.2428	1.0098	1.1877	0.2352	1.1813	1.3074	0.3066
45	2.9983	0.8845	0.8632	0.2433	1.0289	1.2065	0.2910	1.1462	1.2864	0.3319
50	0.9688	0.8804	0.8383	0.2432						
55	1.0962	0.8765	0.8126	0.2424						
60	1.2230	0.8729	0.7862	0.2408						
65	1.3474	0.8694	0.7592	0.2384						
70	1.4678	0.8660	0.7314	0.2353						
75	1.5824	0.8629	0.7030	0.2314						
80	1.6895	0.8599	0.6740	0.2267						
85	1.7873	0.8571	0.6443	0.2212						
90	1.8740	0.8545	0.6141	0.2149						
95	1.9480	0.8520	0.5833	0.2078						
100	2.0076	0.8497	0.5519	0.2000						
105	2.0511	0.8475	0.5200	0.1915						
110	2.0769	0.8455	0.4876	0.1822						
115	2.0836	0.8436	0.4548	0.1723						
120	2.0699	0.8419	0.4215	0.1617						
125	2.0344	0.8403	0.3879	0.1505						
130	1.9761	0.8388	0.3538	0.1388						
135	1.8939	0.8375	0.3194	0.1265						
140	1.7871	0.8364	0.2847	0.1137						
145	1.6548	0.8354	0.2497	0.1005						
150	1.4967	0.8345	0.2145	0.0868						
155	1.3124	0.8337	0.1791	0.0729						
160	1.1018	0.8331	0.1435	0.0587						
165	0.8649	0.8327	0.1077	0.0442						
170	0.6020	0.8323	0.0719	0.0296						
175	0.3135	0.8321	0.0360	0.0148						
180	0.	0.8321	0.	0.						

GAMMA = 1.0000 ALPHA = 14.000 K = 3.000

DC = 2.4617	KR = 1.0781	BR = 1.223528	TR = 52.78	CR = 0.7467	QR = 0.4828E 02					
THETA	SF	K1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9938	1.0433	0.2199	0.9338	1.0493	0.2199			
5	1.0202	0.9268	1.0246	0.2226	0.9416	1.0614	0.2175	1.6473	1.8712	4.8213
10	1.1024	0.9198	1.0054	0.2255	0.9500	1.0791	0.2159	1.4696	1.5113	1.8147
15	1.2264	0.9134	0.9855	0.2283	0.9592	1.0964	0.2157	1.3742	1.4316	1.0178
20	1.3902	0.9074	0.9649	0.2309	0.9694	1.1135	0.2177	1.3082	1.3802	0.6805
25	1.6015	0.9017	0.9437	0.2333	0.9810	1.1306	0.2239	1.2569	1.3427	0.5089
30	1.8873	0.8963	0.9218	0.2352	0.9946	1.1482	0.2384	1.2133	1.3125	0.4191
35	2.3880	0.8912	0.8992	0.2366	1.0115	1.1674	0.2749	1.1727	1.2857	0.3894
40	3.5129	0.8864	0.8759	0.2375	1.0368	1.1938	0.4114	1.1285	1.2572	0.4833
45	0.8835	0.8818	0.8518	0.2379						
50	0.9924	0.8775	0.8271	0.2376						
55	1.1222	0.8734	0.8017	0.2366						
60	1.2613	0.8695	0.7758	0.2349						
65	1.3779	0.8658	0.7489	0.2325						
70	1.5004	0.8623	0.7214	0.2293						
75	1.6170	0.8590	0.6934	0.2254						
80	1.7258	0.8558	0.6647	0.2208						
85	1.8252	0.8529	0.6354	0.2153						
90	1.9133	0.8501	0.6054	0.2092						
95	1.9884	0.8475	0.5752	0.2023						
100	2.0688	0.8451	0.5442	0.1966						
105	2.0928	0.8428	0.5127	0.1863						
110	2.1188	0.8407	0.4808	0.1773						
115	2.1254	0.8388	0.4484	0.1676						
120	2.1111	0.8370	0.4158	0.1573						
125	2.0746	0.8353	0.3824	0.1464						
130	2.0150	0.8338	0.3488	0.1349						
135	1.9810	0.8325	0.3149	0.1229						
140	1.8219	0.8313	0.2807	0.1105						
145	1.6869	0.8302	0.2462	0.0976						
150	1.5267	0.8293	0.2115	0.0844						
155	1.3378	0.8285	0.1765	0.0708						
160	1.1231	0.8279	0.1414	0.0570						
165	0.8816	0.8274	0.1062	0.0430						
170	0.6136	0.8270	0.0709	0.0287						
175	0.3195	0.8268	0.0354	0.0144						
180	0.	0.8268	0.	0.						

GAMMA=1.0000 ALPHA=14.000 K= 4.00

DC= 2.5329	KR= 1.07410	BR= 1.18564	TR=31.3304	CR= 0.54682	QR=28.99087
THETA	SF	K1	B1	S1	
0	1.0000	0.9364	1.0224	0.2255	
5	1.0366	0.9274	1.0030	0.2245	
10	1.1652	0.9192	0.9833	0.2246	
15	1.3406	0.9117	0.9632	0.2253	
20	1.6204	0.9046	0.9425	0.2262	
25	2.1177	0.8980	0.9212	0.2272	
30	4.1289	0.8918	0.8994	0.2280	
35	0.8530	0.8860	0.8770	0.2285	
40	0.7809	0.8806	0.8540	0.2287	
45	0.9125	0.8754	0.8303	0.2284	
50	1.0465	0.8708	0.8059	0.2276	
55	1.1811	0.8660	0.7810	0.2262	
60	1.3149	0.8617	0.7554	0.2242	
65	1.4460	0.8578	0.7292	0.2216	
70	1.5726	0.8537	0.7023	0.2184	
75	1.6931	0.8501	0.6749	0.2144	
80	1.8054	0.8467	0.6469	0.2098	
85	1.9079	0.8435	0.6183	0.2045	
90	1.9986	0.8405	0.5892	0.1985	
95	2.0757	0.8376	0.5595	0.1918	
100	2.1375	0.8350	0.5293	0.1845	
105	2.1823	0.8325	0.4987	0.1765	
110	2.2085	0.8303	0.4678	0.1679	
115	2.2145	0.8282	0.4360	0.1586	
120	2.1988	0.8263	0.4041	0.1488	
125	2.1602	0.8244	0.3718	0.1385	
130	2.0974	0.8228	0.3391	0.1276	
135	2.0895	0.8214	0.3061	0.1162	
140	1.8956	0.8201	0.2728	0.1045	
145	1.7549	0.8198	0.2393	0.0923	
150	1.5869	0.8188	0.2055	0.0798	
155	1.3912	0.8171	0.1714	0.0669	
160	1.1673	0.8165	0.1375	0.0539	
165	0.9168	0.8159	0.1032	0.0406	
170	0.6379	0.8156	0.0689	0.0271	
175	0.3322	0.8153	0.0344	0.0136	
180	0.	0.8153	0.	0.	

GAMMA=1.0000 ALPHA=14.000 K= 5.00

DC= 2.5890	KR= 1.07176	BR= 1.16226	TR=24.7568	CR= 0.43209	QR=20.58363
THETA	SF	K1	B1	S1	
0	1.0000	0.9381	1.0090	0.2359	
5	1.0562	0.9276	0.9884	0.2303	
10	1.2217	0.9181	0.9682	0.2272	
15	1.5084	0.9095	0.9476	0.2255	
20	2.1054	0.9016	0.9267	0.2247	
25	0.4408	0.8942	0.9053	0.2242	
30	0.5814	0.8874	0.8834	0.2240	
35	0.6884	0.8810	0.8610	0.2236	
40	0.8205	0.8751	0.8381	0.2230	
45	0.9562	0.8698	0.8146	0.2222	
50	1.0942	0.8643	0.7905	0.2209	
55	1.2327	0.8593	0.7658	0.2192	
60	1.3701	0.8547	0.7405	0.2169	
65	1.5048	0.8509	0.7147	0.2141	
70	1.6345	0.8462	0.6882	0.2107	
75	1.7579	0.8423	0.6612	0.2067	
80	1.8729	0.8387	0.6337	0.2020	
85	1.9876	0.8359	0.6056	0.1968	
90	2.0701	0.8321	0.5770	0.1909	
95	2.1487	0.8291	0.5479	0.1843	
100	2.2115	0.8263	0.5183	0.1772	
105	2.2567	0.8237	0.4882	0.1694	
110	2.2828	0.8213	0.4577	0.1611	
115	2.2880	0.8191	0.4268	0.1522	
120	2.2711	0.8171	0.3955	0.1427	
125	2.2305	0.8152	0.3638	0.1327	
130	2.1651	0.8135	0.3318	0.1223	
135	2.0739	0.8120	0.2995	0.1114	
140	1.9658	0.8107	0.2670	0.1001	
145	1.8103	0.8095	0.2341	0.0884	
150	1.6388	0.8084	0.2011	0.0764	
155	1.4348	0.8076	0.1679	0.0641	
160	1.2042	0.8069	0.1345	0.0516	
165	0.9481	0.8063	0.1010	0.0388	
170	0.6577	0.8059	0.0674	0.0260	
175	0.3425	0.8057	0.0337	0.0130	
180	0.	0.8056	0.	0.	

GAMMA=1.0000 ALPHA=14.000 K= 8.00
 DC= 216358 KR= 1.07023 BR= 1.14636
 TR=2014774 CR= 0.95740 QR=15.92515

THETA	SU	X1	B1	S1
0	1.0000	0.9994	0.9996	0.2489
5	1.0791	0.9273	0.9781	0.2379
10	1.3068	0.9168	0.9670	0.2313
15	1.7819	0.9071	0.9359	0.2272
20	0.3484	0.8984	0.9146	0.2246
25	0.4854	0.8905	0.8930	0.2228
30	0.5899	0.8831	0.8710	0.2215
35	0.7207	0.8769	0.8488	0.2203
40	0.8544	0.8709	0.8257	0.2191
45	0.9956	0.8640	0.8023	0.2177
50	1.1368	0.8585	0.7783	0.2160
55	1.2785	0.8533	0.7539	0.2139
60	1.4209	0.8484	0.7288	0.2114
65	1.5582	0.8438	0.7032	0.2084
70	1.6887	0.8395	0.6771	0.2048
75	1.8144	0.8354	0.6504	0.2008
80	1.9314	0.8316	0.6232	0.1961
85	2.0379	0.8281	0.5955	0.1908
90	2.1319	0.8248	0.5673	0.1850
95	2.2115	0.8216	0.5386	0.1785
100	2.2749	0.8187	0.5095	0.1715
105	2.3204	0.8161	0.4799	0.1639
110	2.3482	0.8136	0.4499	0.1558
115	2.3608	0.8113	0.4194	0.1471
120	2.3628	0.8091	0.3887	0.1379
125	2.3592	0.8072	0.3575	0.1282
130	2.3225	0.8055	0.3261	0.1181
135	2.1284	0.8039	0.2943	0.1076
140	2.0049	0.8025	0.2623	0.0966
145	1.8573	0.8013	0.2300	0.0853
150	1.6790	0.8002	0.1978	0.0737
155	1.4716	0.7993	0.1649	0.0619
160	1.2350	0.7986	0.1321	0.0498
165	0.9892	0.7980	0.0992	0.0375
170	0.6845	0.7976	0.0662	0.0251
175	0.3512	0.7974	0.0331	0.0126
180	0.	0.7973	0.	0.

GAMMA=1.0000 ALPHA=14.000 K= 18.00
 DC= 217715 KR= 1.06721 BR= 1.11378
 TR=1211267 CR= 0.21163 QR= 8.33279

THETA	SU	X1	B1	S1
0	1.0000	0.9428	0.9797	0.3119
5	1.2019	0.9248	0.9535	0.2722
10	2.1342	0.9098	0.9294	0.2504
15	0.2970	0.8974	0.9082	0.2370
20	0.4194	0.8868	0.8836	0.2280
25	0.5491	0.8768	0.8611	0.2217
30	0.6853	0.8680	0.8388	0.2170
35	0.8270	0.8600	0.8159	0.2132
40	0.9730	0.8526	0.7930	0.2099
45	1.1220	0.8450	0.7697	0.2069
50	1.2725	0.8394	0.7460	0.2039
55	1.4229	0.8335	0.7220	0.2008
60	1.5715	0.8280	0.6975	0.1975
65	1.7165	0.8228	0.6726	0.1939
70	1.8559	0.8180	0.6472	0.1899
75	1.9878	0.8135	0.6214	0.1855
80	2.1102	0.8094	0.5951	0.1807
85	2.2211	0.8054	0.5684	0.1754
90	2.3188	0.8018	0.5412	0.1697
95	2.4008	0.7988	0.5136	0.1635
100	2.4653	0.7952	0.4857	0.1568
105	2.5108	0.7923	0.4573	0.1496
110	2.5353	0.7896	0.4288	0.1420
115	2.5372	0.7870	0.3995	0.1339
120	2.5149	0.7848	0.3701	0.1254
125	2.4669	0.7827	0.3404	0.1165
130	2.3919	0.7808	0.3104	0.1072
135	2.2889	0.7791	0.2801	0.0976
140	2.1568	0.7776	0.2496	0.0876
145	1.9949	0.7762	0.2189	0.0773
150	1.8025	0.7751	0.1879	0.0668
155	1.5793	0.7741	0.1569	0.0560
160	1.3250	0.7733	0.1257	0.0450
165	1.0395	0.7727	0.0943	0.0339
170	0.7233	0.7723	0.0629	0.0227
175	0.3765	0.7720	0.0315	0.0114
180	0.	0.7719	0.	0.

GAMMA=1.0000 ALPHA=14.000 K= 8.00
 DC= 217111 KR= 1.06833 BR= 1.12612
 TR=1512281 CR= 0.26578 QR=10.94537

THETA	SU	X1	B1	S1
0	1.0000	0.9410	0.9873	0.2790
5	1.1938	0.9260	0.9635	0.2549
10	1.5628	0.9133	0.9409	0.2408
15	0.2698	0.9023	0.9187	0.2319
20	0.3859	0.8923	0.8967	0.2260
25	0.5099	0.8834	0.8747	0.2218
30	0.6409	0.8752	0.8524	0.2186
35	0.7778	0.8677	0.8299	0.2160
40	0.9193	0.8607	0.8070	0.2137
45	1.0640	0.8543	0.7837	0.2114
50	1.2105	0.8482	0.7599	0.2089
55	1.3571	0.8426	0.7357	0.2063
60	1.5021	0.8374	0.7110	0.2033
65	1.6438	0.8325	0.6858	0.2000
70	1.7802	0.8279	0.6601	0.1962
75	1.9095	0.8236	0.6339	0.1920
80	2.0296	0.8195	0.6072	0.1872
85	2.1387	0.8157	0.5801	0.1820
90	2.2347	0.8122	0.5525	0.1762
95	2.3158	0.8089	0.5244	0.1699
100	2.3801	0.8059	0.4959	0.1630
105	2.4257	0.8030	0.4671	0.1557
110	2.4509	0.8004	0.4378	0.1479
115	2.4540	0.7980	0.4081	0.1395
120	2.4336	0.7958	0.3781	0.1307
125	2.3882	0.7937	0.3478	0.1215
130	2.3166	0.7919	0.3171	0.1118
135	2.2175	0.7903	0.2862	0.1018
140	2.0902	0.7889	0.2551	0.0914
145	1.9338	0.7875	0.2237	0.0807
150	1.7477	0.7864	0.1921	0.0697
155	1.5315	0.7855	0.1603	0.0585
160	1.2851	0.7847	0.1284	0.0470
165	1.0084	0.7841	0.0964	0.0354
170	0.7016	0.7837	0.0643	0.0237
175	0.3853	0.7834	0.0322	0.0119
180	0.	0.7833	0.	0.

GAMMA=1.0000 ALPHA=14.000 K= 20.00
 DC= 219728 KR= 1.06498 BR= 1.08861
 TR= 610120 CR= 0.210493 QR= 3.79573

THETA	SU	X1	B1	S1
0	1.0000	0.9443	0.9637	0.4905
5	2.1920	0.9246	0.9263	0.3463
10	0.2644	0.8937	0.8963	0.2875
15	0.4037	0.8772	0.8695	0.2556
20	0.5466	0.8633	0.8446	0.2359
25	0.6942	0.8519	0.8205	0.2225
30	0.8465	0.8407	0.7972	0.2128
35	1.0032	0.8312	0.7740	0.2053
40	1.1633	0.8226	0.7508	0.1992
45	1.3255	0.8148	0.7276	0.1940
50	1.4884	0.8075	0.7043	0.1893
55	1.6504	0.8009	0.6807	0.1849
60	1.8096	0.7947	0.6569	0.1805
65	1.9643	0.7890	0.6327	0.1761
70	2.1123	0.7836	0.6083	0.1715
75	2.2517	0.7787	0.5835	0.1668
80	2.3803	0.7741	0.5584	0.1618
85	2.4962	0.7698	0.5329	0.1565
90	2.5971	0.7658	0.5071	0.1509
95	2.6810	0.7621	0.4810	0.1449
100	2.7460	0.7587	0.4546	0.1386
105	2.7901	0.7556	0.4278	0.1320
110	2.8113	0.7526	0.4007	0.1250
115	2.8081	0.7499	0.3734	0.1176
120	2.7785	0.7474	0.3458	0.1100
125	2.7214	0.7451	0.3179	0.1026
130	2.6352	0.7431	0.2898	0.0957
135	2.5187	0.7413	0.2614	0.0882
140	2.3709	0.7397	0.2329	0.0804
145	2.1909	0.7382	0.2042	0.0674
150	1.9981	0.7369	0.1753	0.0581
155	1.7920	0.7360	0.1463	0.0487
160	1.4523	0.7351	0.1172	0.0392
165	1.1390	0.7345	0.0880	0.0295
170	0.7922	0.7340	0.0587	0.0197
175	0.4124	0.7337	0.0294	0.0099
180	0.	0.7337	0.	0.

GAMMA = 1.0000

ALPHA = 15.000

K = 0.200

DC = 1.7938

X0 = 1.5970

B0 = 1.957156

V2 = -0.4643E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9075	1.4537	0.4368	0.9075	1.4537	0.4457			
5	1.0003	0.9066	1.4270	0.4441	0.9083	1.4795	0.4376	2.5674	2.6045	11.6355
10	1.0393	0.9057	1.3994	0.4506	0.9092	1.5043	0.4289	2.2945	2.3591	4.2814
15	1.1000	0.9049	1.3708	0.4562	0.9100	1.5282	0.4197	2.1516	2.2401	2.3055
20	1.1770	0.9040	1.3413	0.4608	0.9109	1.5512	0.4099	2.0580	2.1679	1.4488
25	1.2665	0.9032	1.3109	0.4644	0.9117	1.5733	0.3997	1.9898	2.1192	0.9895
30	1.3661	0.9023	1.2795	0.4669	0.9125	1.5945	0.3891	1.9371	2.0843	0.7118
35	1.4735	0.9015	1.2472	0.4684	0.9133	1.6148	0.3783	1.8948	2.0583	0.5303
40	1.5867	0.9006	1.2139	0.4686	0.9141	1.6342	0.3672	1.8600	2.0386	0.4051
45	1.7038	0.8998	1.1798	0.4676	0.9149	1.6528	0.3559	1.8307	2.0232	0.3153
50	1.8230	0.8990	1.1448	0.4654	0.9157	1.6706	0.3445	1.8057	2.0111	0.2489
55	1.9428	0.8982	1.1088	0.4620	0.9164	1.6876	0.3331	1.7842	2.0014	0.1987
60	2.0613	0.8974	1.0721	0.4572	0.9171	1.7037	0.3217	1.7654	1.9936	0.1600
65	2.1771	0.8967	1.0344	0.4511	0.9179	1.7191	0.3104	1.7489	1.9873	0.1298
70	2.2885	0.8959	0.9960	0.4437	0.9185	1.7337	0.2992	1.7343	1.9821	0.1059
75	2.3941	0.8952	0.9567	0.4349	0.9192	1.7476	0.2881	1.7213	1.9779	0.0868
80	2.4925	0.8945	0.9166	0.4248	0.9198	1.7608	0.2773	1.7098	1.9744	0.0714
85	2.5822	0.8939	0.8758	0.4134	0.9205	1.7734	0.2668	1.6995	1.9715	0.0590
90	2.6619	0.8932	0.8342	0.4006	0.9211	1.7852	0.2566	1.6902	1.9691	0.0489
95	2.7305	0.8926	0.7920	0.3866	0.9216	1.7964	0.2467	1.6818	1.9672	0.0406
100	2.7868	0.8920	0.7491	0.3713	0.9222	1.8070	0.2373	1.6743	1.9655	0.0338
105	2.8297	0.8915	0.7055	0.3548	0.9227	1.8170	0.2282	1.6675	1.9642	0.0282
110	2.8584	0.8910	0.6613	0.3370	0.9232	1.8264	0.2196	1.6613	1.9630	0.0236
115	2.8719	0.8905	0.6166	0.3182	0.9237	1.8353	0.2115	1.6557	1.9621	0.0197
120	2.8696	0.8900	0.5713	0.2982	0.9242	1.8436	0.2039	1.6506	1.9613	0.0166
125	2.8509	0.8896	0.5255	0.2772	0.9246	1.8515	0.1969	1.6460	1.9606	0.0139
130	2.8154	0.8892	0.4792	0.2552	0.9250	1.8589	0.1904	1.6418	1.9601	0.0118
135	2.7627	0.8888	0.4325	0.2324	0.9254	1.8658	0.1844	1.6379	1.9596	0.0100
140	2.6927	0.8885	0.3854	0.2087	0.9258	1.8723	0.1791	1.6345	1.9592	0.0085
145	2.6054	0.8882	0.3380	0.1843	0.9262	1.8784	0.1743	1.6313	1.9589	0.0073
150	2.5009	0.8880	0.2903	0.1592	0.9265	1.8840	0.1702	1.6284	1.9586	0.0063
155	2.3796	0.8878	0.2423	0.1336	0.9268	1.8894	0.1666	1.6257	1.9584	0.0056
160	2.2419	0.8876	0.1941	0.1074	0.9271	1.8943	0.1637	1.6233	1.9582	0.0050
165	2.0886	0.8875	0.1457	0.0809	0.9274	1.8989	0.1615	1.6211	1.9580	0.0045
170	1.9205	0.8874	0.0972	0.0541	0.9276	1.9033	0.1599	1.6190	1.9579	0.0042
175	1.7385	0.8873	0.0486	0.0271	0.9279	1.9073	0.1589	1.6172	1.9578	0.0040
180	1.5439	0.8873	0.	0.	0.9281	1.9110	0.1586	1.6155	1.9577	0.0040

GAMMA = 1.0000

ALPHA = 15.000

K = 0.400

DC = 1.9598

X0 = 1.4166

B0 = 1.742113

V2 = -0.5543E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9136	1.3154	0.3458	0.9136	1.3154	0.3531			
5	1.0002	0.9121	1.2920	0.3528	0.9150	1.3379	0.3455	2.2874	2.3204	9.2350
10	1.0390	0.9106	1.2677	0.3591	0.9165	1.3595	0.3375	2.0440	2.1016	3.3983
15	1.0996	0.9092	1.2425	0.3647	0.9180	1.3802	0.3291	1.9170	1.9959	1.8303
20	1.1766	0.9077	1.2165	0.3696	0.9195	1.4002	0.3203	1.8334	1.9314	1.1504
25	1.2663	0.9063	1.1895	0.3736	0.9210	1.4192	0.3112	1.7726	1.8879	0.7862
30	1.3662	0.9049	1.1617	0.3767	0.9224	1.4375	0.3019	1.7256	1.8568	0.5660
35	1.4741	0.9035	1.1329	0.3789	0.9239	1.4549	0.2924	1.6879	1.8336	0.4221
40	1.5879	0.9021	1.1033	0.3801	0.9253	1.4715	0.2828	1.6568	1.8159	0.3228
45	1.7058	0.9008	1.0728	0.3802	0.9267	1.4874	0.2732	1.6306	1.8022	0.2516
50	1.8261	0.8995	1.0414	0.3794	0.9281	1.5025	0.2635	1.6082	1.7913	0.1989
55	1.9469	0.8982	1.0092	0.3774	0.9295	1.5169	0.2539	1.5889	1.7826	0.1591
60	2.0667	0.8970	0.9762	0.3743	0.9309	1.5305	0.2444	1.5720	1.7756	0.1284
65	2.1838	0.8958	0.9423	0.3701	0.9322	1.5435	0.2350	1.5572	1.7699	0.1044
70	2.2966	0.8946	0.9076	0.3647	0.9335	1.5558	0.2259	1.5440	1.7652	0.0854
75	2.4035	0.8935	0.8722	0.3581	0.9348	1.5674	0.2169	1.5323	1.7614	0.0702
80	2.5032	0.8924	0.8360	0.3504	0.9360	1.5785	0.2082	1.5219	1.7582	0.0580
85	2.5941	0.8913	0.7990	0.3416	0.9372	1.5889	0.1998	1.5125	1.7556	0.0481
90	2.6750	0.8903	0.7614	0.3315	0.9384	1.5988	0.1917	1.5041	1.7534	0.0400
95	2.7444	0.8894	0.7231	0.3204	0.9395	1.6081	0.1839	1.4965	1.7516	0.0333
100	2.8012	0.8885	0.6841	0.3081	0.9406	1.6168	0.1765	1.4896	1.7501	0.0279
105	2.8443	0.8876	0.6445	0.2947	0.9417	1.6251	0.1695	1.4834	1.7488	0.0233
110	2.8725	0.8868	0.6043	0.2803	0.9427	1.6329	0.1629	1.4777	1.7478	0.0196
115	2.8851	0.8861	0.5635	0.2649	0.9437	1.6402	0.1567	1.4725	1.7469	0.0165
120	2.8811	0.8854	0.5222	0.2485	0.9446	1.6471	0.1509	1.4679	1.7461	0.0139
125	2.8598	0.8847	0.4805	0.2312	0.9455	1.6535	0.1455	1.4636	1.7455	0.0118
130	2.8258	0.8841	0.4382	0.2131	0.9464	1.6596	0.1406	1.4597	1.7450	0.0100
135	2.7636	0.8836	0.3956	0.1941	0.9472	1.6653	0.1362	1.4561	1.7445	0.0085
140	2.6880	0.8831	0.3526	0.1745	0.9480	1.6706	0.1322	1.4529	1.7441	0.0073
145	2.5938	0.8827	0.3093	0.1541	0.9488	1.6756	0.1287	1.4499	1.7438	0.0063
150	2.4811	0.8823	0.2656	0.1332	0.9495	1.6803	0.1256	1.4472	1.7436	0.0055
155	2.3551	0.8820	0.2218	0.1118	0.9502	1.6847	0.1230	1.4447	1.7433	0.0049
160	2.2014	0.8817	0.1777	0.0900	0.9509	1.6887	0.1209	1.4424	1.7431	0.0044
165	2.0354	0.8815	0.1334	0.0678	0.9515	1.6926	0.1192	1.4403	1.7430	0.0040
170	1.8531	0.8814	0.0899	0.0453	0.9520	1.6961	0.1180	1.4383	1.7429	0.0037
175	1.6554	0.8813	0.0445	0.0227	0.9526	1.6994	0.1173	1.4366	1.7427	0.0036
180	1.4436	0.8812	0.	0.	0.9531	1.7025	0.1171	1.4350	1.7426	0.0035

GAMMA = 1.0000

ALPHA = 15.000

K = 0.600

DC = 2.0567

X0 = 1.3115

B0 = 1.625139

V2 = -0.5636E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9179	1.2444	0.3021	0.9179	1.2444	0.3092			
5	1.0033	0.9159	1.2228	0.3091	0.9200	1.2652	0.3018	2.1378	2.1687	8.0677
10	1.0393	0.9139	1.2003	0.3154	0.9220	1.2851	0.2939	1.9105	1.9643	2.9692
15	1.1004	0.9119	1.1769	0.3211	0.9241	1.3041	0.2857	1.7917	1.8654	1.5998
20	1.1781	0.9100	1.1527	0.3262	0.9262	1.3223	0.2772	1.7135	1.8051	1.0064
25	1.2687	0.9081	1.1275	0.3304	0.9283	1.3397	0.2684	1.6566	1.7643	0.6885
30	1.3696	0.9062	1.1015	0.3339	0.9304	1.3563	0.2595	1.6125	1.7352	0.4965
35	1.4785	0.9043	1.0746	0.3365	0.9324	1.3721	0.2505	1.5771	1.7134	0.3710
40	1.5935	0.9025	1.0469	0.3382	0.9345	1.3872	0.2414	1.5478	1.6968	0.2845
45	1.7125	0.9008	1.0183	0.3389	0.9366	1.4015	0.2324	1.5231	1.6838	0.2224
50	1.8338	0.8991	0.9888	0.3387	0.9387	1.4151	0.2234	1.5020	1.6735	0.1764
55	1.9556	0.8974	0.9585	0.3374	0.9407	1.4279	0.2144	1.4837	1.6652	0.1417
60	2.0762	0.8958	0.9274	0.3352	0.9427	1.4401	0.2056	1.4677	1.6585	0.1149
65	2.1939	0.8942	0.8954	0.3318	0.9447	1.4516	0.1970	1.4535	1.6530	0.0939
70	2.3071	0.8927	0.8627	0.3274	0.9467	1.4625	0.1886	1.4410	1.6485	0.0772
75	2.4142	0.8913	0.8292	0.3219	0.9486	1.4728	0.1805	1.4297	1.6448	0.0638
80	2.5138	0.8899	0.7949	0.3153	0.9505	1.4825	0.1726	1.4197	1.6417	0.0531
85	2.6044	0.8886	0.7600	0.3076	0.9524	1.4917	0.1650	1.4106	1.6391	0.0443
90	2.6845	0.8873	0.7243	0.2989	0.9542	1.5003	0.1578	1.4024	1.6370	0.0371
95	2.7529	0.8861	0.6880	0.2891	0.9560	1.5084	0.1509	1.3950	1.6352	0.0311
100	2.8083	0.8849	0.6510	0.2782	0.9578	1.5160	0.1444	1.3882	1.6336	0.0262
105	2.8494	0.8838	0.6134	0.2663	0.9595	1.5232	0.1382	1.3821	1.6324	0.0222
110	2.8753	0.8828	0.5752	0.2535	0.9612	1.5299	0.1324	1.3765	1.6313	0.0188
115	2.8849	0.8819	0.5365	0.2397	0.9628	1.5362	0.1270	1.3714	1.6304	0.0160
120	2.8773	0.8810	0.4973	0.2250	0.9644	1.5421	0.1220	1.3667	1.6296	0.0136
125	2.8519	0.8802	0.4575	0.2094	0.9659	1.5476	0.1174	1.3624	1.6289	0.0116
130	2.8080	0.8794	0.4174	0.1931	0.9674	1.5528	0.1132	1.3584	1.6284	0.0100
135	2.7451	0.8788	0.3768	0.1760	0.9688	1.5577	0.1094	1.3548	1.6279	0.0086
140	2.6630	0.8781	0.3359	0.1582	0.9702	1.5622	0.1060	1.3515	1.6275	0.0075
145	2.5614	0.8776	0.2946	0.1398	0.9715	1.5665	0.1031	1.3484	1.6271	0.0066
150	2.4404	0.8771	0.2531	0.1209	0.9727	1.5705	0.1005	1.3456	1.6269	0.0058
155	2.3002	0.8768	0.2113	0.1015	0.9740	1.5742	0.0983	1.3430	1.6266	0.0052
160	2.1412	0.8764	0.1693	0.0817	0.9751	1.5776	0.0965	1.3406	1.6264	0.0047
165	1.9640	0.8762	0.1271	0.0615	0.9763	1.5809	0.0951	1.3384	1.6262	0.0043
170	1.7694	0.8760	0.0848	0.0412	0.9773	1.5839	0.0941	1.3363	1.6261	0.0041
175	1.5584	0.8759	0.0424	0.0206	0.9784	1.5867	0.0935	1.3345	1.6259	0.0039
180	1.3322	0.8759	0.	0.	0.9794	1.5894	0.0933	1.3327	1.6258	0.0039

GAMMA = 1.0000

ALPHA = 15.000

K = 0.800

DC = 2.1249

X0 = 1.2248

B0 = 1.543693

V2 = -0.4489E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9213	1.1988	0.2755	0.9213	1.1988	0.2822			
5	1.0006	0.9188	1.1783	0.2824	0.9239	1.2185	0.2748	2.0376	2.0670	7.3305
10	1.0403	0.9163	1.1570	0.2888	0.9265	1.2372	0.2670	1.8208	1.8721	2.6986
15	1.1025	0.9138	1.1348	0.2946	0.9291	1.2552	0.2589	1.7077	1.7780	1.4552
20	1.1816	0.9114	1.1117	0.2997	0.9318	1.2723	0.2505	1.6331	1.7204	0.9166
25	1.2738	0.9091	1.0877	0.3042	0.9345	1.2886	0.2419	1.5786	1.6814	0.6283
30	1.3765	0.9068	1.0629	0.3078	0.9372	1.3041	0.2332	1.5364	1.6534	0.4542
35	1.4872	0.9045	1.0372	0.3106	0.9399	1.3188	0.2243	1.5024	1.6325	0.3405
40	1.6039	0.9024	1.0106	0.3126	0.9426	1.3328	0.2154	1.4743	1.6165	0.2621
45	1.7244	0.9002	0.9832	0.3137	0.9454	1.3461	0.2066	1.4504	1.6039	0.2058
50	1.8470	0.8982	0.9549	0.3139	0.9481	1.3586	0.1978	1.4299	1.5938	0.1642
55	1.9698	0.8962	0.9258	0.3130	0.9509	1.3704	0.1891	1.4121	1.5857	0.1326
60	2.0911	0.8943	0.8959	0.3112	0.9536	1.3816	0.1805	1.3964	1.5791	0.1082
65	2.2091	0.8924	0.8652	0.3084	0.9563	1.3921	0.1722	1.3825	1.5737	0.0891
70	2.3222	0.8906	0.8337	0.3045	0.9590	1.4020	0.1641	1.3701	1.5692	0.0739
75	2.4287	0.8889	0.8015	0.2997	0.9618	1.4114	0.1562	1.3590	1.5654	0.0617
80	2.5272	0.8873	0.7685	0.2937	0.9644	1.4201	0.1486	1.3489	1.5623	0.0518
85	2.6161	0.8857	0.7348	0.2868	0.9671	1.4283	0.1414	1.3398	1.5596	0.0437
90	2.6941	0.8842	0.7004	0.2788	0.9697	1.4360	0.1344	1.3315	1.5574	0.0370
95	2.7594	0.8828	0.6653	0.2698	0.9723	1.4432	0.1278	1.3240	1.5555	0.0315
100	2.8114	0.8815	0.6296	0.2598	0.9749	1.4500	0.1216	1.3170	1.5539	0.0269
105	2.8485	0.8802	0.5933	0.2488	0.9774	1.4563	0.1157	1.3107	1.5525	0.0231
110	2.8697	0.8790	0.5564	0.2369	0.9799	1.4622	0.1102	1.3048	1.5513	0.0198
115	2.8739	0.8779	0.5190	0.2241	0.9823	1.4677	0.1051	1.2994	1.5503	0.0172
120	2.8603	0.8769	0.4811	0.2104	0.9847	1.4728	0.1004	1.2944	1.5494	0.0149
125	2.8282	0.8760	0.4427	0.1959	0.9871	1.4776	0.0961	1.2898	1.5487	0.0130
130	2.7769	0.8751	0.4039	0.1807	0.9894	1.4821	0.0922	1.2856	1.5480	0.0114
135	2.7059	0.8743	0.3646	0.1647	0.9917	1.4863	0.0886	1.2816	1.5475	0.0100
140	2.6149	0.8736	0.3250	0.1481	0.9939	1.4901	0.0854	1.2779	1.5470	0.0089
145	2.5038	0.8730	0.2851	0.1309	0.9960	1.4937	0.0826	1.2745	1.5466	0.0080
150	2.3726	0.8725	0.2449	0.1132	0.9981	1.4971	0.0802	1.2713	1.5462	0.0072
155	2.2215	0.8720	0.2045	0.0950	1.0002	1.5002	0.0782	1.2683	1.5459	0.0066
160	2.0509	0.8716	0.1638	0.0765	1.0021	1.5031	0.0765	1.2656	1.5456	0.0061
165	1.8615	0.8713	0.1230	0.0576	1.0041	1.5058	0.0753	1.2630	1.5454	0.0057
170	1.6540	0.8711	0.0821	0.0386	1.0060	1.5084	0.0743	1.2606	1.5452	0.0055
175	1.4296	0.8710	0.0411	0.0193	1.0078	1.5107	0.0738	1.2584	1.5450	0.0053
180	1.1896	0.8710	0.	0.	1.0095	1.5129	0.0736	1.2563	1.5448	0.0053

GAMMA = 1.0000

ALPHA = 15.000

K = 11.000

DC = 2.1774 NR = 1.1213 BR = 1.475032 TR = 107.76 CR = 4.4023 QR = 0.4835E 05										
THEIA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9240	1.1663	0.2575	0.9240	1.1663	0.2575			
5	1.0003	0.9210	1.1466	0.2644	0.9271	1.1852	0.2502	1.9633	1.9916	6.18053
10	1.0398	0.9180	1.1261	0.2708	0.9302	1.2032	0.2424	1.7547	1.8041	2.5066
15	1.1022	0.9152	1.1047	0.2766	0.9334	1.2204	0.2343	1.6452	1.7129	1.3531
20	1.1815	0.9124	1.0824	0.2818	0.9366	1.2367	0.2260	1.5731	1.6573	0.8539
25	1.2742	0.9096	1.0592	0.2863	0.9399	1.2522	0.2174	1.5204	1.6196	0.5869
30	1.3772	0.9070	1.0352	0.2900	0.9432	1.2670	0.2086	1.4795	1.5924	0.4267
35	1.4882	0.9044	1.0103	0.2930	0.9466	1.2810	0.1998	1.4464	1.5720	0.3205
40	1.6048	0.9019	0.9846	0.2952	0.9500	1.2942	0.1909	1.4189	1.5563	0.2479
45	1.7250	0.8994	0.9580	0.2964	0.9535	1.3067	0.1820	1.3955	1.5438	0.1959
50	1.8467	0.8971	0.9306	0.2968	0.9569	1.3186	0.1731	1.3753	1.5339	0.1673
55	1.9680	0.8948	0.9023	0.2962	0.9604	1.3297	0.1644	1.3576	1.5258	0.1281
60	2.0871	0.8926	0.8733	0.2947	0.9640	1.3401	0.1558	1.3420	1.5191	0.1054
65	2.2022	0.8905	0.8434	0.2922	0.9675	1.3500	0.1473	1.3280	1.5136	0.0877
70	2.3114	0.8885	0.8128	0.2887	0.9711	1.3592	0.1391	1.3155	1.5089	0.0735
75	2.4132	0.8866	0.7815	0.2842	0.9747	1.3678	0.1310	1.3041	1.5050	0.0621
80	2.5057	0.8847	0.7494	0.2787	0.9783	1.3759	0.1233	1.2938	1.5017	0.0528
85	2.5876	0.8829	0.7165	0.2722	0.9819	1.3835	0.1158	1.2843	1.4989	0.0452
90	2.6571	0.8813	0.6831	0.2648	0.9855	1.3905	0.1086	1.2756	1.4964	0.0389
95	2.7128	0.8797	0.6489	0.2563	0.9892	1.3971	0.1016	1.2675	1.4943	0.0336
100	2.7533	0.8782	0.6141	0.2469	0.9928	1.4032	0.0950	1.2601	1.4925	0.0292
105	2.7772	0.8768	0.5788	0.2365	0.9964	1.4089	0.0888	1.2531	1.4909	0.0255
110	2.7833	0.8755	0.5428	0.2252	1.0000	1.4142	0.0828	1.2466	1.4895	0.0224
115	2.7633	0.8742	0.5063	0.2131	1.0036	1.4192	0.0775	1.2406	1.4882	0.0203
120	2.9289	0.8731	0.4694	0.2002	1.0072	1.4237	0.0723	1.2349	1.4872	0.0183
125	2.8775	0.8720	0.4319	0.1864	1.0109	1.4280	0.0671	1.2295	1.4862	0.0166
130	2.8120	0.8711	0.3941	0.1719	1.0144	1.4319	0.0620	1.2244	1.4853	0.0151
135	2.7291	0.8702	0.3558	0.1568	1.0180	1.4355	0.0570	1.2196	1.4846	0.0138
140	2.6274	0.8694	0.3172	0.1410	1.0216	1.4389	0.0521	1.2150	1.4839	0.0126
145	2.5061	0.8688	0.2782	0.1246	1.0251	1.4420	0.0473	1.2106	1.4833	0.0114
150	2.3649	0.8682	0.2390	0.1078	1.0287	1.4449	0.0426	1.2065	1.4827	0.0103
155	2.2038	0.8677	0.1995	0.0905	1.0322	1.4476	0.0380	1.2025	1.4822	0.0092
160	2.0232	0.8672	0.1599	0.0728	1.0357	1.4500	0.0335	1.1986	1.4817	0.0081
165	1.8237	0.8669	0.1120	0.0549	1.0393	1.4523	0.0291	1.1949	1.4813	0.0071
170	1.6061	0.8667	0.0801	0.0367	1.0428	1.4544	0.0248	1.1913	1.4809	0.0061
175	1.3716	0.8666	0.0401	0.0184	1.0463	1.4564	0.0206	1.1878	1.4805	0.0051
180	1.1214	0.8665	0.	0.	1.0498	1.4582	0.0178	1.1844	1.4802	0.0041

GAMMA = 1.0000

ALPHA = 15.000

K = 11.200

DC = 2.2199 NR = 1.1044 BR = 1.418369 TR = 152.15 CR = 2.6555 QR = 0.2331E 04										
THEIA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9262	1.1417	0.2448	0.9262	1.1417	0.2448			
5	1.0011	0.9228	1.1226	0.2516	0.9298	1.1600	0.2376	1.9046	1.9321	6.4045
10	1.0423	0.9194	1.1026	0.2580	0.9334	1.1775	0.2299	1.7016	1.7496	2.3605
15	1.1070	0.9161	1.0818	0.2637	0.9371	1.1941	0.2220	1.5958	1.6615	1.2762
20	1.1895	0.9129	1.0601	0.2689	0.9409	1.2099	0.2138	1.5256	1.6073	0.8073
25	1.2856	0.9098	1.0375	0.2734	0.9448	1.2250	0.2054	1.4742	1.5705	0.5567
30	1.3926	0.9068	1.0141	0.2771	0.9487	1.2392	0.1969	1.4341	1.5438	0.4056
35	1.5077	0.9039	0.9898	0.2802	0.9528	1.2527	0.1882	1.4016	1.5237	0.3070
40	1.6288	0.9011	0.9647	0.2824	0.9569	1.2654	0.1798	1.3744	1.5081	0.2391
45	1.7535	0.8984	0.9387	0.2837	0.9611	1.2775	0.1709	1.3512	1.4957	0.1903
50	1.8800	0.8958	0.9119	0.2842	0.9654	1.2888	0.1624	1.3310	1.4857	0.1543
55	2.0062	0.8933	0.8843	0.2838	0.9698	1.2995	0.1539	1.3132	1.4774	0.1270
60	2.1304	0.8909	0.8559	0.2825	0.9742	1.3095	0.1456	1.2974	1.4706	0.1059
65	2.2507	0.8885	0.8267	0.2802	0.9788	1.3189	0.1375	1.2831	1.4648	0.0893
70	2.3655	0.8863	0.7968	0.2770	0.9834	1.3277	0.1297	1.2700	1.4599	0.0761
75	2.4730	0.8842	0.7661	0.2727	0.9881	1.3359	0.1221	1.2581	1.4556	0.0655
80	2.5718	0.8822	0.7346	0.2676	0.9928	1.3437	0.1147	1.2471	1.4520	0.0570
85	2.6604	0.8802	0.7025	0.2614	0.9977	1.3509	0.1077	1.2368	1.4488	0.0500
90	2.7374	0.8784	0.6697	0.2549	1.0027	1.3576	0.1010	1.2272	1.4459	0.0443
95	2.8015	0.8767	0.6363	0.2482	1.0078	1.3639	0.0947	1.2182	1.4434	0.0396
100	2.8518	0.8750	0.6022	0.2372	1.0130	1.3697	0.0887	1.2095	1.4411	0.0358
105	2.8872	0.8735	0.5675	0.2273	1.0184	1.3752	0.0832	1.2013	1.4390	0.0327
110	2.9074	0.8721	0.5323	0.2165	1.0239	1.3803	0.0780	1.1933	1.4371	0.0303
115	2.9121	0.8707	0.4965	0.2049	1.0297	1.3851	0.0733	1.1855	1.4354	0.0284
120	2.9018	0.8695	0.4603	0.1924	1.0356	1.3895	0.0692	1.1778	1.4337	0.0271
125	2.8783	0.8684	0.4236	0.1792	1.0419	1.3938	0.0656	1.1701	1.4321	0.0263
130	2.8455	0.8673	0.3865	0.1653	1.0487	1.3978	0.0627	1.1623	1.4305	0.0263
135	2.8123	0.8664	0.3489	0.1508	1.0560	1.4016	0.0610	1.1542	1.4288	0.0273
140	2.8006	0.8656	0.3111	0.1356	1.0641	1.4054	0.0611	1.1454	1.4271	0.0301
145	2.8842	0.8648	0.2729	0.1199	1.0739	1.4093	0.0658	1.1352	1.4251	0.0373
150	3.6129	0.8642	0.2344	0.1037	1.0880	1.4140	0.0949	1.1208	1.4221	0.0683
155	1.2309	0.8636	0.1957	0.0870						
160	1.0337	0.8632	0.1568	0.0701						
165	0.8116	0.8628	0.1178	0.0528						
170	0.5650	0.8626	0.0786	0.0353						
175	0.2942	0.8625	0.0393	0.0177						
180	0.	0.8624	0.	0.						

GAMMA = 1.0000 ALPHA = 15.000 K = 1.400

DC = 2.2557	MR = 1.0956	BR = 1.374917	TR = 115.48	CR = 2.0156	QR = 0.7118E 03					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9281	1.1223	0.2356	0.9281	1.1223	0.2356			
5	1.0022	0.9242	1.1036	0.2422	0.9321	1.1140	0.2285	1.8560	1.8829	6.0848
10	1.0455	0.9204	1.0840	0.2484	0.9362	1.1157	0.2210	1.6585	1.7053	2.2446
15	1.1134	0.9168	1.0636	0.2541	0.9404	1.1173	0.2133	1.5550	1.6191	1.2158
20	1.1997	0.9133	1.0423	0.2592	0.9448	1.1189	0.2054	1.4863	1.5860	0.7714
25	1.3005	0.9098	1.0202	0.2636	0.9493	1.1203	0.1972	1.4359	1.5298	0.5341
30	1.4126	0.9065	0.9972	0.2673	0.9539	1.1217	0.1890	1.3964	1.5035	0.3912
35	1.5336	0.9034	0.9734	0.2703	0.9587	1.1230	0.1807	1.3642	1.4836	0.2981
40	1.6610	0.9003	0.9488	0.2726	0.9636	1.1243	0.1725	1.3371	1.4680	0.2340
45	1.7929	0.8973	0.9233	0.2740	0.9686	1.1251	0.1643	1.3138	1.4554	0.1882
50	1.9273	0.8945	0.8970	0.2746	0.9738	1.1261	0.1562	1.2934	1.4452	0.1544
55	2.0626	0.8917	0.8699	0.2742	0.9791	1.1268	0.1486	1.2752	1.4366	0.1289
60	2.1972	0.8891	0.8420	0.2730	0.9847	1.1286	0.1407	1.2588	1.4294	0.1094
65	2.3296	0.8866	0.8133	0.2709	0.9904	1.1297	0.1334	1.2438	1.4232	0.0943
70	2.4589	0.8842	0.7838	0.2678	0.9964	1.1304	0.1264	1.2299	1.4178	0.0825
75	2.5843	0.8819	0.7537	0.2638	1.0026	1.1312	0.1199	1.2169	1.4130	0.0733
80	2.7057	0.8797	0.7228	0.2588	1.0091	1.1320	0.1139	1.2046	1.4087	0.0663
85	2.8239	0.8776	0.6912	0.2529	1.0160	1.1327	0.1086	1.1927	1.4047	0.0612
90	2.9414	0.8757	0.6589	0.2460	1.0233	1.1334	0.1041	1.1812	1.4010	0.0577
95	3.0645	0.8738	0.6260	0.2382	1.0313	1.1341	0.1009	1.1696	1.3975	0.0562
100	3.2078	0.8721	0.5925	0.2295	1.0401	1.1348	0.0998	1.1578	1.3940	0.0572
105	3.4111	0.8704	0.5584	0.2200	1.0502	1.1354	0.1027	1.1451	1.3902	0.0624
110	3.6315	0.8689	0.5238	0.2096	1.0630	1.1361	0.1174	1.1302	1.3859	0.0797
115	1.9830	0.8675	0.4886	0.1983						
120	1.9716	0.8662	0.4530	0.1863						
125	1.9392	0.8649	0.4168	0.1735						
130	1.8849	0.8638	0.3803	0.1601						
135	1.8077	0.8628	0.3434	0.1460						
140	1.7066	0.8619	0.3061	0.1313						
145	1.5811	0.8612	0.2685	0.1161						
150	1.4307	0.8605	0.2307	0.1004						
155	1.2549	0.8599	0.1926	0.0843						
160	1.0539	0.8594	0.1543	0.0679						
165	0.8275	0.8591	0.1159	0.0511						
170	0.5760	0.8588	0.0773	0.0342						
175	0.3000	0.8586	0.0387	0.0171						
180	0.	0.8586	0.	0.						

GAMMA = 1.0000 ALPHA = 15.000 K = 1.600

DC = 2.2866	MR = 1.0900	BR = 1.340769	TR = 94.53	CR = 1.6498	QR = 0.3548E 03					
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9297	1.1066	0.2287	0.9297	1.1066	0.2287			
5	1.0034	0.9254	1.0882	0.2352	0.9341	1.1124	0.2219	1.8151	1.8414	5.18210
10	1.0494	0.9212	1.0689	0.2412	0.9387	1.1141	0.2157	1.6221	1.6678	2.1496
15	1.1211	0.9172	1.0488	0.2467	0.9435	1.1157	0.2073	1.5204	1.5831	1.1670
20	1.2121	0.9134	1.0278	0.2517	0.9484	1.1173	0.1997	1.4530	1.5310	0.7430
25	1.3186	0.9097	1.0060	0.2560	0.9535	1.1188	0.1920	1.4032	1.4952	0.5169
30	1.4375	0.9061	0.9834	0.2597	0.9588	1.1206	0.1843	1.3641	1.4691	0.3810
35	1.5663	0.9026	0.9599	0.2626	0.9643	1.1213	0.1766	1.3320	1.4491	0.2926
40	1.7029	0.8993	0.9357	0.2648	0.9701	1.1220	0.1689	1.3048	1.4334	0.2321
45	1.8458	0.8961	0.9106	0.2662	0.9760	1.1237	0.1615	1.2812	1.4205	0.1891
50	1.9935	0.8931	0.8846	0.2668	0.9823	1.1248	0.1544	1.2602	1.4099	0.1577
55	2.1454	0.8901	0.8579	0.2665	0.9889	1.1259	0.1477	1.2413	1.4009	0.1344
60	2.3014	0.8873	0.8304	0.2654	0.9958	1.1269	0.1416	1.2240	1.3930	0.1172
65	2.4625	0.8846	0.8021	0.2633	1.0032	1.1278	0.1362	1.2077	1.3861	0.1045
70	2.6322	0.8821	0.7731	0.2604	1.0112	1.1287	0.1319	1.1922	1.3798	0.0958
75	2.8184	0.8796	0.7434	0.2565	1.0199	1.1296	0.1293	1.1771	1.3739	0.0909
80	3.0404	0.8773	0.7129	0.2517	1.0297	1.1309	0.1297	1.1618	1.3682	0.0904
85	3.3536	0.8751	0.6818	0.2459	1.0412	1.1314	0.1366	1.1456	1.3622	0.0975
90	4.0044	0.8730	0.6500	0.2393	1.0563	1.1329	0.1649	1.1266	1.3552	0.11269
95	1.8778	0.8711	0.6175	0.2317						
100	1.9375	0.8692	0.5845	0.2233						
105	1.9817	0.8675	0.5508	0.2140						
110	2.0087	0.8659	0.5167	0.2039						
115	2.0172	0.8644	0.4820	0.1929						
120	2.0056	0.8630	0.4468	0.1813						
125	1.9728	0.8617	0.4112	0.1688						
130	1.9176	0.8605	0.3752	0.1558						
135	1.8391	0.8595	0.3387	0.1421						
140	1.7363	0.8586	0.3020	0.1278						
145	1.6086	0.8577	0.2649	0.1130						
150	1.4556	0.8570	0.2276	0.0977						
155	1.2768	0.8564	0.1900	0.0820						
160	1.0723	0.8559	0.1522	0.0660						
165	0.8419	0.8555	0.1143	0.0498						
170	0.5861	0.8553	0.0763	0.0333						
175	0.3052	0.8551	0.0382	0.0167						
180	0.	0.8550	0.	0.						

GAMMA = 1.0000

ALPHA = 15.000

K = 1.800

DC = 2.3137 XR = 1.0859 BR = 1.313278 TR = 80.54 CR = 1.4057 QR = 0.2204E 03										
THEIA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9310	1.0935	0.2237	0.9310	1.0935	0.2237			
5	1.0040	0.9264	1.0753	0.2299	0.9359	1.1110	0.2171	1.7799	1.8056	5.5982
10	1.0540	0.9219	1.0562	0.2357	0.9410	1.1277	0.2103	1.5900	1.8348	2.0702
15	1.1300	0.9175	1.0364	0.2410	0.9463	1.1436	0.2034	1.4904	1.5519	1.1268
20	1.2268	0.9134	1.0156	0.2458	0.9518	1.1587	0.1963	1.4239	1.5005	0.7203
25	1.3403	0.9094	0.9941	0.2500	0.9575	1.1731	0.1891	1.3746	1.4661	0.6039
30	1.4676	0.9055	0.9718	0.2535	0.9636	1.1869	0.1821	1.3357	1.4390	0.3742
35	1.6069	0.9018	0.9486	0.2564	0.9699	1.1999	0.1752	1.3035	1.4189	0.2902
40	1.7567	0.8983	0.9246	0.2586	0.9766	1.2124	0.1687	1.2760	1.4028	0.2332
45	1.9165	0.8949	0.8998	0.2599	0.9837	1.2242	0.1627	1.2518	1.3895	0.1932
50	2.0871	0.8917	0.8742	0.2605	0.9912	1.2358	0.1574	1.2300	1.3783	0.1649
55	2.2712	0.8885	0.8478	0.2602	0.9994	1.2465	0.1533	1.2100	1.3685	0.1450
60	2.4758	0.8856	0.8206	0.2591	1.0084	1.2571	0.1509	1.1910	1.3597	0.1321
65	2.7175	0.8827	0.7927	0.2571	1.0185	1.2675	0.1517	1.1724	1.3514	0.1261
70	3.0424	0.8800	0.7640	0.2542	1.0302	1.2781	0.1590	1.1534	1.3432	0.1292
75	3.6288	0.8775	0.7346	0.2504	1.0453	1.2896	0.1859	1.1322	1.3342	0.1538
80	1.6470	0.8750	0.7045	0.2457						
85	1.7450	0.8727	0.6737	0.2401						
90	1.8323	0.8705	0.6423	0.2337						
95	1.9071	0.8684	0.6103	0.2263						
100	1.9678	0.8665	0.5776	0.2181						
105	2.0127	0.8647	0.5444	0.2090						
110	2.0402	0.8630	0.5106	0.1991						
115	2.0488	0.8614	0.4763	0.1884						
120	2.0371	0.8600	0.4416	0.1770						
125	2.0038	0.8587	0.4064	0.1649						
130	1.9478	0.8574	0.3708	0.1521						
135	1.8680	0.8563	0.3348	0.1387						
140	1.7636	0.8554	0.2984	0.1248						
145	1.6340	0.8545	0.2618	0.1103						
150	1.4785	0.8538	0.2249	0.0954						
155	1.2970	0.8531	0.1878	0.0801						
160	1.0892	0.8526	0.1505	0.0645						
165	0.8552	0.8522	0.1130	0.0486						
170	0.5953	0.8519	0.0754	0.0325						
175	0.3100	0.8517	0.0377	0.0163						
180	0.	0.8517	0.	0.						

GAMMA = 1.0000

ALPHA = 15.000

K = 2.000

DC = 2.3380 XR = 1.0828 BR = 1.290683 TR = 70.39 CR = 1.2286 QR = 0.1546E 03										
THEIA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9322	1.0825	0.2200	0.9322	1.0825	0.2200			
5	1.0066	0.9272	1.0644	0.2259	0.9375	1.0999	0.2138	1.7490	1.7743	5.4064
10	1.0592	0.9223	1.0455	0.2314	0.9431	1.1165	0.2075	1.5620	1.6062	2.0025
15	1.1403	0.9177	1.0258	0.2365	0.9489	1.1323	0.2010	1.4640	1.5245	1.0932
20	1.2437	0.9132	1.0053	0.2411	0.9550	1.1475	0.1946	1.3982	1.4736	0.7019
25	1.3655	0.9090	0.9839	0.2451	0.9614	1.1619	0.1883	1.3493	1.4383	0.4943
30	1.5036	0.9049	0.9618	0.2485	0.9682	1.1758	0.1823	1.3103	1.4121	0.3702
35	1.6569	0.9010	0.9388	0.2513	0.9755	1.1890	0.1767	1.2778	1.3917	0.2907
40	1.8258	0.8972	0.9151	0.2534	0.9833	1.2017	0.1720	1.2497	1.3752	0.2374
45	2.0129	0.8937	0.8905	0.2547	0.9917	1.2140	0.1684	1.2246	1.3613	0.2014
50	2.2253	0.8902	0.8651	0.2552	1.0010	1.2260	0.1669	1.2016	1.3491	0.1778
55	2.4806	0.8870	0.8390	0.2549	1.0115	1.2379	0.1691	1.1795	1.3380	0.1649
60	2.8263	0.8838	0.8121	0.2538	1.0239	1.2500	0.1789	1.1574	1.3273	0.1648
65	3.4556	0.8809	0.7845	0.2519	1.0400	1.2633	0.2127	1.1331	1.3158	0.1921
70	1.4466	0.8780	0.7561	0.2490						
75	1.5623	0.8753	0.7270	0.2453						
80	1.6708	0.8728	0.6972	0.2407						
85	1.7702	0.8704	0.6668	0.2352						
90	1.8587	0.8681	0.6357	0.2289						
95	1.9347	0.8659	0.6039	0.2216						
100	1.9962	0.8639	0.5716	0.2136						
105	2.0418	0.8620	0.5387	0.2047						
110	2.0696	0.8603	0.5053	0.1950						
115	2.0783	0.8586	0.4714	0.1845						
120	2.0665	0.8571	0.4370	0.1734						
125	2.0327	0.8558	0.4022	0.1615						
130	1.9758	0.8545	0.3669	0.1490						
135	1.8949	0.8534	0.3313	0.1359						
140	1.7890	0.8523	0.2953	0.1222						
145	1.6575	0.8515	0.2591	0.1080						
150	1.4998	0.8507	0.2226	0.0934						
155	1.3156	0.8500	0.1858	0.0785						
160	1.1048	0.8495	0.1489	0.0632						
165	0.8675	0.8491	0.1118	0.0476						
170	0.6039	0.8488	0.0746	0.0318						
175	0.3145	0.8486	0.0373	0.0160						
180	0.	0.8485	0.	0.						

BAMBA = 1.0000

ALPHA = 15.000

K = 2.200

WHEVA	SW	K1	B1	S1	K2	B2	S2	K3	B3	S3
0	1.0000	0.9999	1.0731	0.2174	0.9993	1.0791	0.2236			
5	1.0084	0.9270	1.0550	0.2229	0.9390	1.0904	0.2117	1.7215	1.7444	5.2291
10	1.0049	0.9227	1.0362	0.2281	0.9450	1.1070	0.2058	1.5974	1.5808	1.9439
15	1.0117	0.9197	1.0166	0.2329	0.9513	1.1229	0.2001	1.4804	1.5000	1.0647
20	1.0227	0.9130	0.9962	0.2372	0.9580	1.1381	0.1945	1.3752	1.4494	0.6872
25	1.0347	0.9065	0.9751	0.2411	0.9652	1.1529	0.1892	1.2823	1.4142	0.4875
30	1.0483	0.9002	0.9531	0.2444	0.9729	1.1688	0.1846	1.2072	1.3878	0.3690
35	1.0637	0.8901	0.9303	0.2470	0.9812	1.1808	0.1811	1.1542	1.3670	0.2941
40	1.0812	0.8961	0.9067	0.2490	0.9903	1.1988	0.1793	1.1253	1.3498	0.2455
45	1.1001	0.8924	0.8824	0.2502	1.0005	1.2188	0.1805	1.1198	1.3349	0.2135
50	1.1201	0.8888	0.8572	0.2507	1.0123	1.2390	0.1877	1.1296	1.3213	0.2014
55	1.1421	0.8854	0.8313	0.2504	1.0269	1.2598	0.2100	1.1478	1.3078	0.2093
60	1.1650	0.8821	0.8047	0.2493	1.0443	1.2810	0.2056	1.1749	1.2918	0.2494
65	1.1887	0.8790	0.7773	0.2473						
70	1.2133	0.8761	0.7491	0.2445						
75	1.2388	0.8733	0.7203	0.2409						
80	1.2653	0.8706	0.6908	0.2363						
85	1.2927	0.8681	0.6605	0.2309						
90	1.3210	0.8658	0.6298	0.2247						
95	1.3507	0.8635	0.5984	0.2176						
100	1.3820	0.8614	0.5663	0.2097						
105	1.4149	0.8595	0.5338	0.2009						
110	1.4493	0.8577	0.5006	0.1914						
115	1.4850	0.8560	0.4670	0.1812						
120	1.5219	0.8544	0.4329	0.1702						
125	1.5607	0.8530	0.3984	0.1585						
130	1.6002	0.8517	0.3635	0.1462						
135	1.6400	0.8505	0.3282	0.1336						
140	1.6812	0.8495	0.2926	0.1200						
145	1.7236	0.8488	0.2567	0.1061						
150	1.7671	0.8480	0.2205	0.0917						
155	1.8117	0.8472	0.1841	0.0770						
160	1.8573	0.8465	0.1475	0.0620						
165	1.9039	0.8458	0.1106	0.0467						
170	1.9514	0.8450	0.0739	0.0313						
175	2.0000	0.8445	0.0370	0.0157						
180	0.	0.8440	0.	0.						

BAMBA = 1.0000

ALPHA = 15.000

K = 2.500

WHEVA	SW	K1	B1	S1	K2	B2	S2	K3	B3	S3
0	1.0000	0.9999	1.0378	0.2145	0.9990	1.0598	0.2207			
5	1.0125	0.9289	1.0997	0.2191	0.9815	1.0751	0.2098	1.6938	1.6980	4.9800
10	1.0190	0.9291	1.0810	0.2235	0.9885	1.0918	0.2054	1.4949	1.5372	1.8477
15	1.0282	0.9178	1.0615	0.2277	0.9939	1.1080	0.2014	1.3996	1.4576	1.0200
20	1.0407	0.9124	0.9813	0.2315	0.9969	1.1238	0.1982	1.3050	1.4075	0.6664
25	1.0556	0.9074	0.9603	0.2350	0.9977	1.1380	0.1949	1.2081	1.3720	0.4814
30	1.0728	0.9027	0.9388	0.2380	0.9984	1.1537	0.1924	1.1568	1.3448	0.3747
35	1.0923	0.8982	0.9161	0.2408	0.9994	1.1688	0.2010	1.1213	1.3226	0.3120
40	1.1139	0.8939	0.8928	0.2430	1.0004	1.1839	0.2138	1.1092	1.3030	0.2810
45	1.1367	0.8899	0.8687	0.2451	1.0029	1.1989	0.2304	1.1071	1.2841	0.2882
50	1.1607	0.8860	0.8439	0.2465	1.0061	1.2139	0.2459	1.1091	1.2607	0.4752
55	1.1857	0.8825	0.8184	0.2481						
60	1.2117	0.8790	0.7921	0.2499						
65	1.2387	0.8758	0.7654	0.2517						
70	1.2667	0.8728	0.7384	0.2535						
75	1.2957	0.8699	0.7109	0.2553						
80	1.3257	0.8675	0.6839	0.2571						
85	1.3567	0.8655	0.6569	0.2589						
90	1.3887	0.8635	0.6303	0.2607						
95	1.4217	0.8614	0.6038	0.2625						
100	1.4557	0.8595	0.5774	0.2643						
105	1.4907	0.8577	0.5510	0.2661						
110	1.5267	0.8560	0.5246	0.2679						
115	1.5637	0.8544	0.4982	0.2697						
120	1.6017	0.8530	0.4718	0.2715						
125	1.6407	0.8517	0.4454	0.2733						
130	1.6807	0.8505	0.4190	0.2751						
135	1.7217	0.8495	0.3926	0.2769						
140	1.7637	0.8488	0.3662	0.2787						
145	1.8067	0.8480	0.3398	0.2805						
150	1.8507	0.8472	0.3134	0.2823						
155	1.8957	0.8465	0.2870	0.2841						
160	1.9417	0.8458	0.2606	0.2859						
165	1.9887	0.8450	0.2342	0.2877						
170	2.0367	0.8445	0.2078	0.2895						
175	2.0857	0.8440	0.1814	0.2913						
180	0.	0.8440	0.	0.						

GAMMA = 1.0000 ALPHA = 15.000 K = 3.000

DC = 2.4312 XR = 1.0744 BR = 1.219524 TR = 43.79 CR = 0.7643 QR = 0.5646E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9364	1.0458	0.2138	0.9364	1.0458	0.2201			
5	1.0175	0.9296	1.0277	0.2173	0.9437	1.0684	0.2106	1.6342	1.6578	4.7345
10	1.0935	0.9282	1.0089	0.2209	0.9516	1.0884	0.2080	1.4685	1.4999	1.7728
15	1.2097	0.9172	0.9894	0.2245	0.9602	1.0970	0.2065	1.3650	1.4218	0.9876
20	1.3638	0.9115	0.9693	0.2278	0.9697	1.1138	0.2069	1.3007	1.3718	0.6551
25	1.5612	0.9062	0.9484	0.2307	0.9804	1.1295	0.2107	1.2510	1.3356	0.4851
30	1.8228	0.9011	0.9268	0.2333	0.9928	1.1480	0.2211	1.2092	1.3069	0.3939
35	2.2151	0.8963	0.9045	0.2353	1.0080	1.1698	0.2474	1.1710	1.2819	0.3566
40	3.0737	0.8917	0.8814	0.2368	1.0294	1.1884	0.3352	1.1311	1.2566	0.4028
45	0.8767	0.8874	0.8576	0.2376						
50	1.0098	0.8832	0.8331	0.2378						
55	1.1441	0.8793	0.8078	0.2373						
60	1.2781	0.8756	0.7818	0.2360						
65	1.4099	0.8721	0.7551	0.2340						
70	1.5378	0.8688	0.7277	0.2312						
75	1.6599	0.8657	0.6996	0.2277						
80	1.7743	0.8627	0.6709	0.2233						
85	1.8790	0.8599	0.6416	0.2181						
90	1.9723	0.8573	0.6116	0.2121						
95	2.0522	0.8548	0.5810	0.2054						
100	2.1169	0.8525	0.5499	0.1979						
105	2.1647	0.8503	0.5183	0.1896						
110	2.1937	0.8483	0.4861	0.1806						
115	2.2025	0.8465	0.4534	0.1709						
120	2.1895	0.8447	0.4203	0.1605						
125	2.1534	0.8432	0.3868	0.1495						
130	2.0929	0.8418	0.3529	0.1379						
135	2.0069	0.8405	0.3186	0.1257						
140	1.8946	0.8393	0.2840	0.1131						
145	1.7551	0.8383	0.2492	0.0999						
150	1.5880	0.8374	0.2141	0.0864						
155	1.3929	0.8367	0.1787	0.0726						
160	1.1697	0.8361	0.1432	0.0584						
165	0.9184	0.8356	0.1075	0.0440						
170	0.6393	0.8353	0.0717	0.0294						
175	0.3329	0.8351	0.0359	0.0148						
180	0.	0.8350	0.	0.						

GAMMA=1.0000 ALPHA=15.000 K= 4.00

DC= 2.4977 XR= 1.07050 BR= 1.18191
TR=31.9929 CR= 0.55838 QR=33.34978

THETA	ST	X1	B1	S1
0	1.0000	0.9390	1.0250	0.2181
5	1.0317	0.9305	1.0062	0.2183
10	1.1404	0.9228	0.9871	0.2194
15	1.3126	0.9156	0.9674	0.2209
20	1.5702	0.9090	0.9472	0.2226
25	2.0102	0.9028	0.9264	0.2243
30	3.4091	0.8969	0.9050	0.2258
35	0.6595	0.8914	0.8828	0.2270
40	0.7907	0.8862	0.8601	0.2278
45	0.9264	0.8814	0.8366	0.2281
50	1.0650	0.8768	0.8125	0.2279
55	1.2048	0.8724	0.7877	0.2270
60	1.3441	0.8683	0.7622	0.2255
65	1.4810	0.8644	0.7360	0.2234
70	1.6138	0.8608	0.7092	0.2205
75	1.7404	0.8573	0.6818	0.2169
80	1.8590	0.8541	0.6537	0.2126
85	1.9675	0.8510	0.6250	0.2075
90	2.0640	0.8481	0.5958	0.2017
95	2.1466	0.8455	0.5659	0.1952
100	2.2133	0.8429	0.5356	0.1879
105	2.2624	0.8406	0.5047	0.1800
110	2.2920	0.8384	0.4733	0.1714
115	2.3004	0.8364	0.4415	0.1621
120	2.2853	0.8346	0.4093	0.1522
125	2.2480	0.8329	0.3766	0.1418
130	2.1844	0.8314	0.3436	0.1307
135	2.0943	0.8300	0.3102	0.1192
140	1.9767	0.8288	0.2765	0.1072
145	1.8310	0.8277	0.2426	0.0947
150	1.6565	0.8267	0.2084	0.0819
155	1.4528	0.8260	0.1740	0.0688
160	1.2199	0.8253	0.1394	0.0554
165	0.9577	0.8248	0.1047	0.0417
170	0.6666	0.8245	0.0698	0.0279
175	0.3472	0.8242	0.0349	0.0140
180	0.	0.8242	0.	0.

GAMMA=1.0000 ALPHA=15.000 K= 5.00

DC= 2.5500 XR= 1.06823 BR= 1.15863
TR=25.2486 CR= 0.44067 QR=23.47929

THETA	ST	X1	B1	S1
0	1.0000	0.9407	1.0115	0.2272
5	1.0491	0.9307	0.9919	0.2232
10	1.2009	0.9218	0.9722	0.2213
15	1.4641	0.9136	0.9522	0.2207
20	1.9921	0.9062	0.9317	0.2208
25	0.4419	0.8992	0.9108	0.2212
30	0.5647	0.8928	0.8893	0.2217
35	0.6948	0.8867	0.8673	0.2220
40	0.8306	0.8811	0.8446	0.2222
45	0.9708	0.8758	0.8214	0.2219
50	1.1138	0.8708	0.7975	0.2212
55	1.2579	0.8661	0.7730	0.2201
60	1.4014	0.8617	0.7478	0.2183
65	1.5424	0.8576	0.7220	0.2159
70	1.6789	0.8537	0.6956	0.2129
75	1.8091	0.8500	0.6686	0.2093
80	1.9309	0.8465	0.6410	0.2050
85	2.0423	0.8433	0.6128	0.1999
90	2.1412	0.8403	0.5840	0.1942
95	2.2257	0.8374	0.5547	0.1879
100	2.2939	0.8348	0.5249	0.1808
105	2.3438	0.8323	0.4946	0.1731
110	2.3736	0.8300	0.4639	0.1648
115	2.3816	0.8279	0.4326	0.1558
120	2.3663	0.8260	0.4010	0.1463
125	2.3261	0.8242	0.3690	0.1362
130	2.2598	0.8226	0.3366	0.1256
135	2.1662	0.8211	0.3039	0.1144
140	2.0442	0.8198	0.2709	0.1029
145	1.8932	0.8187	0.2376	0.0909
150	1.7126	0.8177	0.2041	0.0786
155	1.5019	0.8169	0.1704	0.0660
160	1.2610	0.8162	0.1365	0.0531
165	0.9899	0.8157	0.1025	0.0400
170	0.6890	0.8153	0.0684	0.0268
175	0.3588	0.8151	0.0342	0.0134
180	0.	0.8150	0.	0.

GAMMA=1.0000 ALPHA=15.000 K= 6.00
 DC= 2.5932 XR= 1.06674 BR= 1.14280
 TR=20.8679 CR= 0.36421 QR=18.07240

THETA	ST	X1	B1	S1
0	1.0000	0.9419	1.0022	0.2390
5	1.0695	0.9305	0.9816	0.2299
10	1.2780	0.9205	0.9612	0.2248
15	1.7078	0.9115	0.9407	0.2219
20	0.3475	0.9033	0.9199	0.2204
25	0.4661	0.8957	0.8988	0.2196
30	0.5931	0.8888	0.8773	0.2191
35	0.7271	0.8823	0.8552	0.2187
40	0.8669	0.8763	0.8326	0.2182
45	1.0109	0.8707	0.8095	0.2174
50	1.1576	0.8654	0.7858	0.2164
55	1.3053	0.8604	0.7614	0.2149
60	1.4522	0.8558	0.7365	0.2129
65	1.5964	0.8514	0.7110	0.2103
70	1.7361	0.8473	0.6849	0.2072
75	1.8691	0.8435	0.6582	0.2035
80	1.9935	0.8399	0.6309	0.1991
85	2.1072	0.8365	0.6031	0.1941
90	2.2080	0.8333	0.5748	0.1885
95	2.2940	0.8304	0.5459	0.1822
100	2.3633	0.8276	0.5165	0.1753
105	2.4137	0.8250	0.4866	0.1678
110	2.4436	0.8227	0.4563	0.1596
115	2.4512	0.8205	0.4256	0.1509
120	2.4347	0.8185	0.3945	0.1416
125	2.3928	0.8166	0.3629	0.1318
130	2.3241	0.8150	0.3311	0.1215
135	2.2274	0.8135	0.2989	0.1107
140	2.1017	0.8121	0.2664	0.0995
145	1.9462	0.8110	0.2337	0.0880
150	1.7603	0.8099	0.2007	0.0760
155	1.5436	0.8091	0.1676	0.0638
160	1.2959	0.8084	0.1343	0.0514
165	1.0173	0.8079	0.1008	0.0387
170	0.7080	0.8075	0.0673	0.0259
175	0.3687	0.8072	0.0336	0.0130
180	0.	0.8072	0.	0.

GAMMA=1.0000 ALPHA=15.000 K= 8.00
 DC= 2.6628 XR= 1.06491 BR= 1.12265
 TR=15.5044 CR= 0.27060 QR=12.34761

THETA	ST	X1	B1	S1
0	1.0000	0.9435	0.9899	0.2665
5	1.1186	0.9294	0.9671	0.2454
10	1.5087	0.9174	0.9453	0.2334
15	0.2673	0.9069	0.9239	0.2261
20	0.3842	0.8976	0.9025	0.2214
25	0.5101	0.8891	0.8810	0.2183
30	0.6439	0.8814	0.8593	0.2161
35	0.7844	0.8742	0.8371	0.2143
40	0.9305	0.8676	0.8146	0.2128
45	1.0806	0.8615	0.7915	0.2112
50	1.2332	0.8558	0.7680	0.2094
55	1.3866	0.8504	0.7439	0.2074
60	1.5390	0.8454	0.7193	0.2050
65	1.6885	0.8408	0.6942	0.2021
70	1.8330	0.8364	0.6685	0.1988
75	1.9705	0.8323	0.6423	0.1949
80	2.0989	0.8285	0.6156	0.1905
85	2.2160	0.8249	0.5883	0.1855
90	2.3198	0.8215	0.5605	0.1799
95	2.4081	0.8184	0.5323	0.1738
100	2.4788	0.8155	0.5035	0.1671
105	2.5300	0.8128	0.4744	0.1598
110	2.5597	0.8103	0.4448	0.1519
115	2.5662	0.8080	0.4148	0.1436
120	2.5478	0.8058	0.3844	0.1347
125	2.5029	0.8039	0.3536	0.1253
130	2.4301	0.8022	0.3225	0.1154
135	2.3282	0.8006	0.2912	0.1052
140	2.1962	0.7992	0.2595	0.0945
145	2.0332	0.7980	0.2276	0.0835
150	1.8386	0.7969	0.1955	0.0722
155	1.6119	0.7960	0.1632	0.0606
160	1.3531	0.7953	0.1308	0.0487
165	1.0620	0.7947	0.0982	0.0367
170	0.7391	0.7943	0.0655	0.0246
175	0.3849	0.7941	0.0328	0.0123
180	0.	0.7940	0.	0.

GAMMA=1.0000 ALPHA=15.000 K= 10.00
 DC= 2.7182 XR= 1.06383 BR= 1.11036
 TR=12.3393 CR= 0.21536 QR= 9.36905

THETA	ST	X1	B1	S1
0	1.0000	0.9445	0.9822	0.2969
5	1.1802	0.9278	0.9572	0.2615
10	2.0031	0.9142	0.9341	0.2423
15	0.2938	0.9025	0.9118	0.2307
20	0.4172	0.8922	0.8898	0.2232
25	0.5489	0.8830	0.8679	0.2181
30	0.6882	0.8747	0.8459	0.2144
35	0.8339	0.8670	0.8237	0.2115
40	0.9849	0.8600	0.8011	0.2091
45	1.1399	0.8535	0.7781	0.2068
50	1.2971	0.8475	0.7547	0.2045
55	1.4551	0.8419	0.7308	0.2020
60	1.6117	0.8366	0.7064	0.1993
65	1.7652	0.8317	0.6815	0.1961
70	1.9135	0.8272	0.6562	0.1926
75	2.0544	0.8229	0.6303	0.1886
80	2.1858	0.8189	0.6039	0.1841
85	2.3056	0.8151	0.5771	0.1792
90	2.4114	0.8117	0.5498	0.1736
95	2.5013	0.8084	0.5220	0.1676
100	2.5731	0.8054	0.4937	0.1610
105	2.6246	0.8026	0.4651	0.1539
110	2.6541	0.8000	0.4360	0.1462
115	2.6596	0.7976	0.4066	0.1381
120	2.6394	0.7954	0.3767	0.1295
125	2.5919	0.7935	0.3466	0.1204
130	2.5157	0.7917	0.3161	0.1109
135	2.4095	0.7900	0.2853	0.1010
140	2.2723	0.7886	0.2543	0.0908
145	2.1032	0.7873	0.2230	0.0802
150	1.9015	0.7862	0.1915	0.0693
155	1.6669	0.7853	0.1599	0.0581
160	1.3990	0.7846	0.1281	0.0468
165	1.0980	0.7840	0.0962	0.0352
170	0.7641	0.7836	0.0642	0.0236
175	0.3979	0.7833	0.0321	0.0118
180	0.	0.7832	0.	0.

GAMMA=1.0000 ALPHA=15.000 K= 20.00
 DC= 2.9009 XR= 1.06168 BR= 1.08530
 TR= 6.1119 CR= 0.10667 QR= 4.24136

THETA	ST	X1	B1	S1
0	1.0000	0.9467	0.9662	0.4634
5	2.0068	0.9189	0.9307	0.3310
10	0.2591	0.8992	0.9021	0.2772
15	0.3983	0.8835	0.8764	0.2482
20	0.5428	0.8704	0.8523	0.2305
25	0.6933	0.8591	0.8291	0.2186
30	0.8500	0.8490	0.8062	0.2102
35	1.0123	0.8406	0.7835	0.2038
40	1.1793	0.8319	0.7608	0.1987
45	1.3495	0.8244	0.7379	0.1943
50	1.5214	0.8175	0.7148	0.1904
55	1.6934	0.8112	0.6914	0.1866
60	1.8633	0.8053	0.6676	0.1828
65	2.0292	0.7999	0.6436	0.1790
70	2.1889	0.7948	0.6191	0.1749
75	2.3401	0.7901	0.5943	0.1705
80	2.4805	0.7857	0.5690	0.1659
85	2.6078	0.7816	0.5434	0.1608
90	2.7196	0.7778	0.5174	0.1554
95	2.8137	0.7743	0.4910	0.1496
100	2.8877	0.7710	0.4642	0.1434
105	2.9396	0.7680	0.4370	0.1368
110	2.9671	0.7652	0.4096	0.1298
115	2.9684	0.7626	0.3817	0.1223
120	2.9416	0.7603	0.3536	0.1146
125	2.8849	0.7581	0.3252	0.1064
130	2.7969	0.7562	0.2965	0.0979
135	2.6762	0.7544	0.2676	0.0891
140	2.5216	0.7529	0.2385	0.0800
145	2.3321	0.7515	0.2091	0.0706
150	2.1071	0.7504	0.1796	0.0609
155	1.8461	0.7494	0.1499	0.0511
160	1.5488	0.7486	0.1201	0.0411
165	1.2151	0.7480	0.0901	0.0309
170	0.8454	0.7475	0.0601	0.0207
175	0.4401	0.7473	0.0301	0.0104
180	0.	0.7472	0.	0.

GAMMA = 1.0000 ALPHA = 16.000 K = 0.200										
DC = 1.7909 XD = 1.5866 BO = 1.943999 V2 = -0.4724E 01										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9110	1.4514	0.4319	0.9110	1.4514	0.4402			
5	1.0004	0.9102	1.4250	0.4394	0.9118	1.4769	0.4319	2.5500	2.5868	11.4782
10	1.0396	0.9094	1.3976	0.4462	0.9126	1.5014	0.4229	2.2790	2.3431	4.2235
15	1.1005	0.9086	1.3692	0.4520	0.9134	1.5251	0.4135	2.1369	2.2249	2.2743
20	1.1777	0.9078	1.3400	0.4569	0.9142	1.5478	0.4035	2.0441	2.1532	1.4292
25	1.2675	0.9070	1.3097	0.4608	0.9150	1.5696	0.3931	1.9763	2.1048	0.9761
30	1.3674	0.9062	1.2785	0.4637	0.9158	1.5905	0.3824	1.9240	2.0701	0.7021
35	1.4751	0.9054	1.2464	0.4654	0.9165	1.6105	0.3713	1.8820	2.0444	0.5231
40	1.5885	0.9046	1.2134	0.4659	0.9172	1.6297	0.3601	1.8474	2.0248	0.3995
45	1.7059	0.9039	1.1794	0.4653	0.9180	1.6480	0.3487	1.8183	2.0095	0.3109
50	1.8255	0.9031	1.1445	0.4633	0.9187	1.6655	0.3372	1.7935	1.9975	0.2454
55	1.9456	0.9024	1.1088	0.4601	0.9194	1.6821	0.3257	1.7721	1.9878	0.1958
60	2.0644	0.9016	1.0721	0.4556	0.9200	1.6980	0.3142	1.7535	1.9801	0.1577
65	2.1804	0.9009	1.0346	0.4498	0.9207	1.7131	0.3028	1.7371	1.9738	0.1279
70	2.2921	0.9002	0.9962	0.4426	0.9213	1.7275	0.2916	1.7226	1.9687	0.1043
75	2.3979	0.8995	0.9571	0.4341	0.9219	1.7411	0.2805	1.7098	1.9645	0.0855
80	2.4963	0.8989	0.9171	0.4242	0.9225	1.7540	0.2697	1.6983	1.9611	0.0704
85	2.5860	0.8983	0.8763	0.4130	0.9231	1.7662	0.2592	1.6880	1.9582	0.0581
90	2.6657	0.8977	0.8348	0.4004	0.9236	1.7778	0.2490	1.6788	1.9559	0.0481
95	2.7340	0.8971	0.7926	0.3866	0.9242	1.7888	0.2392	1.6706	1.9539	0.0399
100	2.7899	0.8965	0.7497	0.3714	0.9247	1.7991	0.2297	1.6631	1.9523	0.0332
105	2.8322	0.8960	0.7062	0.3550	0.9252	1.8088	0.2207	1.6563	1.9509	0.0277
110	2.8640	0.8955	0.6620	0.3374	0.9256	1.8180	0.2122	1.6502	1.9498	0.0232
115	2.8724	0.8950	0.6173	0.3186	0.9261	1.8266	0.2041	1.6447	1.9489	0.0194
120	2.8687	0.8946	0.5720	0.2987	0.9265	1.8348	0.1966	1.6396	1.9481	0.0163
125	2.8483	0.8942	0.5261	0.2777	0.9269	1.8424	0.1896	1.6350	1.9474	0.0137
130	2.8107	0.8938	0.4798	0.2558	0.9273	1.8495	0.1831	1.6309	1.9469	0.0116
135	2.7556	0.8935	0.4331	0.2329	0.9276	1.8563	0.1772	1.6271	1.9464	0.0098
140	2.6828	0.8932	0.3860	0.2092	0.9280	1.8625	0.1719	1.6236	1.9460	0.0084
145	2.5924	0.8929	0.3385	0.1848	0.9283	1.8684	0.1672	1.6205	1.9457	0.0072
150	2.4843	0.8927	0.2907	0.1597	0.9286	1.8739	0.1631	1.6176	1.9454	0.0062
155	2.3591	0.8925	0.2427	0.1340	0.9289	1.8791	0.1596	1.6150	1.9452	0.0055
160	2.2170	0.8923	0.1944	0.1078	0.9291	1.8838	0.1568	1.6126	1.9450	0.0049
165	2.0589	0.8922	0.1460	0.0812	0.9294	1.8883	0.1545	1.6104	1.9448	0.0044
170	1.8856	0.8921	0.0974	0.0543	0.9296	1.8925	0.1529	1.6084	1.9447	0.0041
175	1.6981	0.8921	0.0487	0.0272	0.9298	1.8963	0.1520	1.6065	1.9446	0.0039
180	1.4976	0.8920	0.	0.	0.9300	1.8999	0.1516	1.6049	1.9445	0.0039

GAMMA = 1.0000 ALPHA = 16.000 K = 0.400										
DC = 1.9528 XO = 1.4091 BO = 1.730861 V2 = -0.5699E 01										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9168	1.3149	0.3421	0.9168	1.3149	0.3487			
5	1.0003	0.9154	1.2917	0.3493	0.9182	1.3371	0.3409	2.2718	2.3046	9.1103
10	1.0393	0.9140	1.2677	0.3559	0.9196	1.3585	0.3326	2.0303	2.0874	3.3523
15	1.1001	0.9127	1.2427	0.3618	0.9209	1.3790	0.3240	1.9040	1.9823	1.8054
20	1.1772	0.9113	1.2169	0.3669	0.9223	1.3986	0.3150	1.8210	1.9183	1.1346
25	1.2672	0.9100	1.1901	0.3712	0.9237	1.4174	0.3057	1.7606	1.8751	0.7752
30	1.3673	0.9086	1.1624	0.3746	0.9251	1.4354	0.2963	1.7140	1.8442	0.5579
35	1.4754	0.9073	1.1339	0.3770	0.9264	1.4526	0.2866	1.6765	1.8213	0.4159
40	1.5895	0.9060	1.1044	0.3785	0.9277	1.4689	0.2769	1.6457	1.8037	0.3179
45	1.7078	0.9048	1.0740	0.3790	0.9291	1.4845	0.2671	1.6197	1.7901	0.2476
50	1.8284	0.9036	1.0428	0.3784	0.9304	1.4993	0.2574	1.5975	1.7793	0.1957
55	1.9496	0.9024	1.0107	0.3767	0.9316	1.5134	0.2477	1.5784	1.7707	0.1564
60	2.0698	0.9012	0.9778	0.3739	0.9329	1.5268	0.2381	1.5617	1.7638	0.1261
65	2.1873	0.9000	0.9440	0.3699	0.9341	1.5395	0.2287	1.5470	1.7581	0.1025
70	2.3006	0.8989	0.9094	0.3648	0.9353	1.5515	0.2195	1.5340	1.7535	0.0838
75	2.4080	0.8979	0.8740	0.3584	0.9365	1.5629	0.2105	1.5224	1.7497	0.0688
80	2.5080	0.8968	0.8378	0.3509	0.9376	1.5737	0.2018	1.5121	1.7466	0.0568
85	2.5992	0.8959	0.8009	0.3422	0.9387	1.5838	0.1934	1.5029	1.7440	0.0470
90	2.6801	0.8949	0.7632	0.3323	0.9398	1.5934	0.1853	1.4945	1.7419	0.0390
95	2.7495	0.8940	0.7249	0.3213	0.9408	1.6025	0.1775	1.4870	1.7401	0.0325
100	2.8061	0.8932	0.6859	0.3092	0.9418	1.6110	0.1701	1.4803	1.7386	0.0271
105	2.8486	0.8923	0.6462	0.2959	0.9428	1.6190	0.1631	1.4741	1.7374	0.0227
110	2.8761	0.8916	0.6060	0.2815	0.9437	1.6266	0.1565	1.4685	1.7363	0.0190
115	2.8875	0.8909	0.5652	0.2661	0.9446	1.6337	0.1504	1.4635	1.7355	0.0160
120	2.8820	0.8902	0.5238	0.2498	0.9455	1.6403	0.1446	1.4589	1.7347	0.0135
125	2.8589	0.8896	0.4820	0.2325	0.9463	1.6466	0.1393	1.4547	1.7341	0.0114
130	2.8175	0.8890	0.4396	0.2143	0.9471	1.6525	0.1344	1.4509	1.7336	0.0097
135	2.7575	0.8885	0.3969	0.1953	0.9478	1.6579	0.1300	1.4474	1.7332	0.0082
140	2.6785	0.8880	0.3538	0.1755	0.9485	1.6631	0.1261	1.4442	1.7328	0.0071
145	2.5805	0.8876	0.3103	0.1551	0.9492	1.6679	0.1226	1.4413	1.7325	0.0061
150	2.4634	0.8873	0.2666	0.1341	0.9498	1.6724	0.1195	1.4386	1.7322	0.0053
155	2.3275	0.8870	0.2225	0.1126	0.9504	1.6766	0.1169	1.4361	1.7320	0.0047
160	2.1733	0.8867	0.1783	0.0906	0.9510	1.6805	0.1148	1.4339	1.7318	0.0042
165	2.0014	0.8865	0.1339	0.0682	0.9516	1.6841	0.1132	1.4319	1.7317	0.0038
170	1.8125	0.8864	0.0893	0.0456	0.9521	1.6876	0.1120	1.4300	1.7316	0.0036
175	1.6077	0.8863	0.0447	0.0229	0.9526	1.6907	0.1113	1.4283	1.7315	0.0034
180	1.3883	0.8863	0.	0.	0.9530	1.6937	0.1111	1.4267	1.7314	0.0034

GAMMA = 1.0000 ALPHA = 16.000 K = 0.600

DC = 2.0468 XO = 1.3071 BO = 1.615398 V2 = -0.5901E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9209	1.2448	0.2988	0.9209	1.2448	0.3051			
5	1.0004	0.9190	1.2235	0.3060	0.9228	1.2653	0.2974	2.1234	2.1540	7.9585
10	1.0395	0.9171	1.2012	0.3126	0.9248	1.2850	0.2893	1.8976	1.9510	2.9287
15	1.1006	0.9153	1.1780	0.3186	0.9267	1.3038	0.2809	1.7796	1.8528	1.5777
20	1.1782	0.9134	1.1540	0.3239	0.9286	1.3217	0.2722	1.7020	1.7929	0.9920
25	1.2688	0.9116	1.1290	0.3285	0.9306	1.3389	0.2633	1.6454	1.7525	0.6783
30	1.3697	0.9099	1.1032	0.3322	0.9325	1.3552	0.2543	1.6018	1.7235	0.4887
35	1.4787	0.9081	1.0765	0.3351	0.9345	1.3707	0.2452	1.5667	1.7020	0.3649
40	1.5938	0.9064	1.0489	0.3371	0.9364	1.3855	0.2360	1.5377	1.6855	0.2795
45	1.7130	0.9048	1.0204	0.3382	0.9383	1.3995	0.2268	1.5133	1.6727	0.2182
50	1.8347	0.9031	0.9910	0.3382	0.9402	1.4128	0.2177	1.4924	1.6625	0.1729
55	1.9569	0.9016	0.9608	0.3372	0.9421	1.4254	0.2088	1.4743	1.6544	0.1386
60	2.0780	0.9001	0.9298	0.3352	0.9440	1.4374	0.1999	1.4585	1.6478	0.1122
65	2.1964	0.8986	0.8979	0.3321	0.9458	1.4486	0.1913	1.4445	1.6424	0.0915
70	2.3103	0.8972	0.8652	0.3280	0.9477	1.4593	0.1829	1.4322	1.6380	0.0751
75	2.4182	0.8958	0.8318	0.3227	0.9494	1.4693	0.1748	1.4211	1.6343	0.0620
80	2.5186	0.8945	0.7975	0.3163	0.9512	1.4788	0.1669	1.4113	1.6313	0.0514
85	2.6098	0.8932	0.7626	0.3088	0.9529	1.4877	0.1594	1.4024	1.6288	0.0428
90	2.6906	0.8920	0.7269	0.3002	0.9546	1.4960	0.1522	1.3944	1.6267	0.0358
95	2.7595	0.8908	0.6905	0.2905	0.9562	1.5039	0.1454	1.3871	1.6249	0.0300
100	2.8151	0.8898	0.6535	0.2797	0.9578	1.5113	0.1389	1.3805	1.6235	0.0252
105	2.8563	0.8887	0.6158	0.2679	0.9594	1.5182	0.1328	1.3745	1.6222	0.0212
110	2.8820	0.8878	0.5775	0.2551	0.9609	1.5247	0.1271	1.3690	1.6212	0.0179
115	2.8910	0.8869	0.5387	0.2413	0.9623	1.5308	0.1218	1.3641	1.6203	0.0152
120	2.8824	0.8860	0.4994	0.2266	0.9638	1.5366	0.1168	1.3595	1.6196	0.0129
125	2.8556	0.8853	0.4595	0.2110	0.9651	1.5419	0.1123	1.3553	1.6189	0.0110
130	2.8097	0.8845	0.4192	0.1946	0.9664	1.5469	0.1082	1.3515	1.6184	0.0094
135	2.7444	0.8839	0.3785	0.1774	0.9677	1.5516	0.1044	1.3480	1.6180	0.0081
140	2.6591	0.8833	0.3374	0.1596	0.9689	1.5560	0.1011	1.3448	1.6176	0.0070
145	2.5539	0.8828	0.2960	0.1410	0.9701	1.5601	0.0982	1.3419	1.6173	0.0061
150	2.4285	0.8824	0.2543	0.1220	0.9713	1.5639	0.0956	1.3391	1.6170	0.0054
155	2.2834	0.8820	0.2123	0.1024	0.9723	1.5675	0.0935	1.3367	1.6167	0.0048
160	2.1187	0.8817	0.1701	0.0824	0.9734	1.5708	0.0917	1.3344	1.6165	0.0043
165	1.9351	0.8814	0.1277	0.0621	0.9744	1.5739	0.0904	1.3322	1.6164	0.0040
170	1.7335	0.8813	0.0852	0.0415	0.9753	1.5768	0.0894	1.3303	1.6162	0.0038
175	1.5148	0.8812	0.0426	0.0208	0.9762	1.5795	0.0888	1.3285	1.6161	0.0036
180	1.2804	0.8811	0.	0.	0.9771	1.5820	0.0886	1.3269	1.6160	0.0036

GAMMA = 1.0000 ALPHA = 16.000 K = 0.800

DC = 2.1127 XO = 1.2261 BO = 1.635584 V2 = -0.5032E 01

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9241	1.1998	0.2723	0.9241	1.1998	0.2785			
5	1.0006	0.9217	1.1796	0.2795	0.9265	1.2192	0.2708	2.0240	2.0532	7.2309
10	1.0403	0.9194	1.1584	0.2862	0.9290	1.2377	0.2628	1.8089	1.8598	2.6615
15	1.1023	0.9171	1.1364	0.2922	0.9314	1.2554	0.2545	1.6961	1.7659	1.4344
20	1.1810	0.9148	1.1136	0.2977	0.9339	1.2722	0.2459	1.6221	1.7088	0.9028
25	1.2729	0.9126	1.0898	0.3024	0.9365	1.2882	0.2372	1.5682	1.6702	0.6182
30	1.3753	0.9104	1.0651	0.3064	0.9390	1.3035	0.2283	1.5264	1.6425	0.4463
35	1.4858	0.9083	1.0395	0.3095	0.9415	1.3179	0.2193	1.4927	1.6219	0.3340
40	1.6025	0.9063	1.0132	0.3118	0.9441	1.3316	0.2104	1.4649	1.6060	0.2567
45	1.7231	0.9043	0.9859	0.3132	0.9466	1.3446	0.2014	1.4414	1.5936	0.2012
50	1.8461	0.9023	0.9577	0.3136	0.9492	1.3568	0.1926	1.4212	1.5838	0.1601
55	1.9694	0.9004	0.9287	0.3131	0.9517	1.3684	0.1839	1.4037	1.5758	0.1290
60	2.0913	0.8986	0.8989	0.3116	0.9542	1.3793	0.1754	1.3883	1.5694	0.1050
65	2.2102	0.8969	0.8683	0.3090	0.9568	1.3896	0.1670	1.3747	1.5641	0.0862
70	2.3240	0.8952	0.8368	0.3054	0.9593	1.3992	0.1589	1.3625	1.5597	0.0713
75	2.4317	0.8936	0.8046	0.3007	0.9617	1.4083	0.1511	1.3517	1.5560	0.0593
80	2.5313	0.8920	0.7716	0.2950	0.9642	1.4168	0.1436	1.3419	1.5530	0.0496
85	2.6215	0.8905	0.7378	0.2882	0.9666	1.4248	0.1365	1.3330	1.5504	0.0417
90	2.7006	0.8891	0.7034	0.2803	0.9690	1.4322	0.1296	1.3250	1.5483	0.0352
95	2.7672	0.8877	0.6683	0.2715	0.9714	1.4392	0.1232	1.3176	1.5465	0.0298
100	2.8201	0.8865	0.6325	0.2616	0.9737	1.4458	0.1170	1.3109	1.5449	0.0254
105	2.8579	0.8853	0.5961	0.2506	0.9760	1.4519	0.1113	1.3048	1.5436	0.0216
110	2.8796	0.8842	0.5592	0.2388	0.9783	1.4576	0.1059	1.2992	1.5425	0.0185
115	2.8839	0.8831	0.5216	0.2260	0.9805	1.4629	0.1009	1.2940	1.5416	0.0159
120	2.8701	0.8821	0.4836	0.2123	0.9826	1.4679	0.0963	1.2892	1.5407	0.0138
125	2.8371	0.8812	0.4450	0.1977	0.9847	1.4725	0.0921	1.2848	1.5400	0.0119
130	2.7845	0.8804	0.4060	0.1824	0.9868	1.4768	0.0883	1.2808	1.5394	0.0104
135	2.7116	0.8797	0.3666	0.1664	0.9888	1.4808	0.0848	1.2770	1.5389	0.0091
140	2.6181	0.8790	0.3268	0.1496	0.9908	1.4845	0.0818	1.2735	1.5385	0.0080
145	2.5037	0.8784	0.2867	0.1323	0.9927	1.4880	0.0791	1.2703	1.5381	0.0071
150	2.3685	0.8779	0.2463	0.1144	0.9945	1.4913	0.0767	1.2673	1.5378	0.0064
155	2.2126	0.8775	0.2056	0.0961	0.9963	1.4943	0.0748	1.2645	1.5375	0.0058
160	2.0365	0.8771	0.1648	0.0773	0.9981	1.4971	0.0732	1.2619	1.5372	0.0054
165	1.8407	0.8768	0.1237	0.0583	0.9998	1.4997	0.0719	1.2595	1.5370	0.0050
170	1.6262	0.8766	0.0826	0.0390	1.0014	1.5021	0.0710	1.2573	1.5368	0.0048
175	1.3939	0.8765	0.0413	0.0195	1.0030	1.5043	0.0705	1.2552	1.5367	0.0046
180	1.1451	0.8765	0.	0.	1.0045	1.5064	0.0703	1.2533	1.5365	0.0046

GAMMA = 1.0000

ALPHA = 16.000

K = 11000

DC = 2.1632 MR = 1.1198 BR = 1.469984 TR = 61.94 CR = 5.2021 QR = 0.2116E 06

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9267	1.1677	0.2543	0.9267	1.1677	0.2543			
5	1.0003	0.9239	1.1482	0.2615	0.9296	1.1863	0.2467	1.9500	1.9782	6.7129
10	1.0397	0.9211	1.1279	0.2682	0.9325	1.2040	0.2387	1.7427	1.7917	2.4715
15	1.1015	0.9184	1.1067	0.2743	0.9355	1.2209	0.2304	1.6342	1.7014	1.3330
20	1.1803	0.9157	1.0847	0.2798	0.9385	1.2369	0.2219	1.5627	1.6463	0.8402
25	1.2723	0.9132	1.0617	0.2846	0.9416	1.2522	0.2131	1.5105	1.6089	0.5765
30	1.3748	0.9106	1.0379	0.2887	0.9447	1.2666	0.2043	1.4701	1.5821	0.4174
35	1.4854	0.9082	1.0132	0.2920	0.9479	1.2803	0.1953	1.4374	1.5620	0.3135
40	1.6018	0.9058	0.9876	0.2944	0.9511	1.2933	0.1863	1.4103	1.5465	0.2419
45	1.7219	0.9035	0.9611	0.2960	0.9543	1.3055	0.1774	1.3873	1.5343	0.1906
50	1.8438	0.9013	0.9338	0.2967	0.9575	1.3170	0.1685	1.3675	1.5246	0.1526
55	1.9656	0.8991	0.9057	0.2965	0.9607	1.3278	0.1597	1.3502	1.5167	0.1288
60	2.0853	0.8971	0.8767	0.2952	0.9640	1.3380	0.1511	1.3349	1.5102	0.1016
65	2.2012	0.8951	0.8469	0.2930	0.9673	1.3475	0.1427	1.3213	1.5049	0.0841
70	2.3607	0.8931	0.8163	0.2897	0.9706	1.3565	0.1417	1.3091	1.5004	0.0736
75	2.4625	0.8913	0.7850	0.2855	0.9739	1.3649	0.1333	1.2981	1.4967	0.0617
80	2.5587	0.8895	0.7529	0.2802	0.9772	1.3727	0.1257	1.2881	1.4935	0.0523
85	2.6461	0.8879	0.7200	0.2739	0.9805	1.3800	0.1185	1.2790	1.4908	0.0446
90	2.7225	0.8863	0.6865	0.2665	0.9838	1.3868	0.1117	1.2706	1.4885	0.0384
95	2.7863	0.8848	0.6523	0.2582	0.9871	1.3931	0.1053	1.2629	1.4865	0.0332
100	2.8360	0.8833	0.6174	0.2489	0.9903	1.3990	0.0993	1.2558	1.4848	0.0289
105	2.8702	0.8820	0.5819	0.2386	0.9936	1.4045	0.0937	1.2492	1.4833	0.0253
110	2.8878	0.8808	0.5459	0.2273	0.9969	1.4096	0.0885	1.2431	1.4820	0.0223
115	2.8875	0.8796	0.5093	0.2152	1.0001	1.4143	0.0837	1.2373	1.4809	0.0198
120	2.8685	0.8785	0.4721	0.2022	1.0033	1.4187	0.0793	1.2320	1.4799	0.0176
125	2.8298	0.8775	0.4345	0.1884	1.0065	1.4228	0.0752	1.2270	1.4790	0.0158
130	2.7707	0.8766	0.3965	0.1738	1.0097	1.4265	0.0715	1.2223	1.4783	0.0143
135	2.6908	0.8758	0.3580	0.1586	1.0128	1.4300	0.0682	1.2178	1.4776	0.0130
140	2.5896	0.8750	0.3192	0.1427	1.0159	1.4332	0.0652	1.2136	1.4770	0.0120
145	2.4670	0.8744	0.2800	0.1261	1.0190	1.4362	0.0627	1.2097	1.4764	0.0111
150	2.3229	0.8738	0.2405	0.1091	1.0221	1.4390	0.0604	1.2059	1.4760	0.0103
155	2.1575	0.8733	0.2008	0.0916	1.0251	1.4415	0.0586	1.2024	1.4755	0.0097
160	1.9713	0.8729	0.1609	0.0738	1.0281	1.4438	0.0570	1.1990	1.4751	0.0093
165	1.7648	0.8726	0.1208	0.0556	1.0311	1.4460	0.0558	1.1957	1.4748	0.0089
170	1.5390	0.8724	0.0806	0.0372	1.0341	1.4480	0.0550	1.1926	1.4745	0.0087
175	1.2950	0.8723	0.0403	0.0186	1.0370	1.4498	0.0545	1.1896	1.4742	0.0085
180	1.0341	0.8722	0.	0.	1.0399	1.4515	0.0543	1.1868	1.4739	0.0085

GAMMA = 1.0000

ALPHA = 16.000

K = 11200

DC = 2.2040 MR = 1.1011 BR = 1.413947 TR = 161.63 CR = 2.8210 QR = 0.3709E 04

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9288	1.1433	0.12415	0.9288	1.1433	0.12415			
5	1.0010	0.9256	1.1245	0.12486	0.9322	1.1613	0.2340	1.8916	1.9189	6.3174
10	1.0417	0.9224	1.1047	0.12553	0.9356	1.1785	0.2251	1.6901	1.7378	2.3269
15	1.1055	0.9193	1.0841	0.12613	0.9391	1.1948	0.2179	1.5851	1.6504	1.2565
20	1.1868	0.9163	1.0626	0.12668	0.9426	1.2103	0.2095	1.5156	1.5967	0.7934
25	1.2819	0.9134	1.0403	0.12717	0.9463	1.2250	0.2009	1.4648	1.5603	0.5459
30	1.3878	0.9106	1.0171	0.12758	0.9500	1.2390	0.1922	1.4253	1.5341	0.3967
35	1.5020	0.9078	0.9930	0.12791	0.9538	1.2521	0.1835	1.3932	1.5143	0.2994
40	1.6223	0.9051	0.9680	0.12817	0.9576	1.2645	0.1747	1.3665	1.4990	0.2324
45	1.7464	0.9026	0.9422	0.12834	0.9615	1.2762	0.1660	1.3438	1.4869	0.1843
50	1.8725	0.9001	0.9155	0.12842	0.9655	1.2872	0.1574	1.3241	1.4772	0.1488
55	1.9985	0.8977	0.8880	0.12842	0.9695	1.2976	0.1489	1.3067	1.4692	0.1219
60	2.1226	0.8954	0.8597	0.12831	0.9736	1.3073	0.1405	1.2913	1.4626	0.1012
65	2.2429	0.8932	0.8305	0.12811	0.9778	1.3164	0.1324	1.2775	1.4570	0.0849
70	2.3577	0.8911	0.8006	0.12781	0.9820	1.3248	0.1246	1.2649	1.4523	0.0720
75	2.4652	0.8891	0.7699	0.12741	0.9863	1.3328	0.1170	1.2535	1.4483	0.0616
80	2.5639	0.8871	0.7385	0.12692	0.9907	1.3402	0.1097	1.2429	1.4449	0.0531
85	2.6520	0.8853	0.7063	0.12632	0.9951	1.3471	0.1027	1.2332	1.4419	0.0463
90	2.7282	0.8836	0.6734	0.12562	0.9996	1.3535	0.0960	1.2241	1.4393	0.0406
95	2.7909	0.8819	0.6399	0.12482	1.0042	1.3595	0.0897	1.2156	1.4369	0.0360
100	2.8388	0.8804	0.6057	0.12393	1.0089	1.3650	0.0838	1.2075	1.4349	0.0321
105	2.8708	0.8789	0.5710	0.12295	1.0136	1.3702	0.0782	1.1999	1.4330	0.0290
110	2.8858	0.8775	0.5356	0.12187	1.0185	1.3750	0.0729	1.1926	1.4313	0.0264
115	2.8830	0.8763	0.4997	0.12071	1.0235	1.3794	0.0681	1.1855	1.4298	0.0243
120	2.8619	0.8751	0.4633	0.11946	1.0286	1.3836	0.0636	1.1787	1.4284	0.0226
125	2.8223	0.8740	0.4264	0.11814	1.0339	1.3875	0.0596	1.1719	1.4270	0.0213
130	2.7649	0.8730	0.3891	0.11674	1.0394	1.3911	0.0560	1.1653	1.4258	0.0205
135	2.6913	0.8721	0.3513	0.11527	1.0452	1.3945	0.0529	1.1586	1.4245	0.0201
140	2.6052	0.8713	0.3132	0.11374	1.0514	1.3977	0.0505	1.1517	1.4233	0.0202
145	2.5151	0.8706	0.2748	0.11215	1.0581	1.4008	0.0491	1.1446	1.4220	0.0212
150	2.4426	0.8700	0.2361	0.11051	1.0657	1.4039	0.0492	1.1367	1.4206	0.0237
155	2.4612	0.8695	0.1971	0.10883	1.0748	1.4070	0.0534	1.1275	1.4190	0.0301
160	2.4230	0.8691	0.1579	0.10711	1.0844	1.4109	0.0541	1.1140	1.4166	0.0317
165	0.8344	0.8688	0.1186	0.10536						
170	0.5809	0.8685	0.0791	0.10358						
175	0.3025	0.8684	0.0396	0.10180						
180	0.	0.8683	0.	0.						

GAMMA = 1.0000

ALPHA = 16.000

K = 1.400

DC = 2.2383 XR = 1.0922 BR = 1.370794 TR = 120.44 CR = 2.1021 QR = 0.9674E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9306	1.1241	0.2321	0.9306	1.1241	0.2321			
5	1.0019	0.9270	1.1057	0.2391	0.9344	1.1147	0.2247	1.8435	1.8701	6.0016
10	1.0444	0.9234	1.0864	0.2456	0.9383	1.1155	0.2170	1.6475	1.6939	2.2119
15	1.1108	0.9200	1.0662	0.2516	0.9423	1.1174	0.2090	1.5447	1.6083	1.1961
20	1.1955	0.9166	1.0452	0.2571	0.9464	1.1195	0.2008	1.4768	1.5559	0.17571
25	1.2946	0.9134	1.0233	0.2619	0.9506	1.1209	0.1924	1.4270	1.5202	0.15228
30	1.4050	0.9103	1.0005	0.2660	0.9549	1.1214	0.1840	1.3881	1.4943	0.3816
35	1.5244	0.9073	0.9769	0.2694	0.9593	1.1202	0.1755	1.3565	1.4748	0.2897
40	1.6503	0.9043	0.9524	0.2719	0.9639	1.1243	0.1671	1.3300	1.4595	0.2265
45	1.7807	0.9015	0.9270	0.2737	0.9686	1.1257	0.1588	1.3072	1.4474	0.1813
50	1.9137	0.8988	0.9008	0.2746	0.9734	1.1264	0.1506	1.2874	1.4374	0.1480
55	2.0474	0.8962	0.8738	0.2746	0.9783	1.1275	0.1425	1.2697	1.4292	0.1229
60	2.1802	0.8937	0.8460	0.2737	0.9834	1.1280	0.1348	1.2539	1.4223	0.1036
65	2.3105	0.8913	0.8174	0.2719	0.9887	1.1292	0.1273	1.2395	1.4164	0.0886
70	2.4369	0.8891	0.7880	0.2690	0.9941	1.1301	0.1201	1.2262	1.4113	0.0769
75	2.5583	0.8869	0.7578	0.2653	0.9997	1.1309	0.1133	1.2139	1.4069	0.0677
80	2.6740	0.8848	0.7269	0.2605	1.0056	1.1316	0.1070	1.2023	1.4029	0.0605
85	2.7836	0.8828	0.6952	0.2548	1.0117	1.1322	0.1012	1.1913	1.3993	0.0549
90	2.8877	0.8810	0.6629	0.2481	1.0182	1.1327	0.0961	1.1806	1.3960	0.0508
95	2.9886	0.8792	0.6299	0.2404	1.0251	1.1338	0.0918	1.1701	1.3929	0.0482
100	3.0919	0.8775	0.5963	0.2318	1.0325	1.1347	0.0886	1.1597	1.3900	0.0471
105	3.2107	0.8760	0.5621	0.2223	1.0408	1.1374	0.0873	1.1489	1.3870	0.0480
110	3.3820	0.8745	0.5273	0.2119	1.0502	1.1351	0.0894	1.1374	1.3838	0.0527
115	3.7511	0.8732	0.4920	0.2007	1.0621	1.1359	0.1018	1.1237	1.3801	0.0676
120	2.0234	0.8719	0.4561	0.1886						
125	1.9912	0.8708	0.4198	0.1758						
130	1.9364	0.8697	0.3831	0.1622						
135	1.8578	0.8687	0.3459	0.1480						
140	1.7545	0.8679	0.3084	0.1332						
145	1.6260	0.8671	0.2706	0.1178						
150	1.4717	0.8665	0.2324	0.1019						
155	1.2913	0.8659	0.1941	0.0856						
160	1.0846	0.8655	0.1555	0.0689						
165	0.8517	0.8652	0.1168	0.0519						
170	0.5930	0.8649	0.0779	0.0347						
175	0.3088	0.8648	0.0390	0.0174						
180	0.	0.8647	0.	0.						

GAMMA = 1.0000

ALPHA = 16.000

K = 1.600

DC = 2.2678 XR = 1.0865 BR = 1.336840 TR = 97.82 CR = 1.7073 QR = 0.4526E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9322	1.1085	0.2251	0.9322	1.1085	0.2251			
5	1.0030	0.9281	1.0903	0.2319	0.9364	1.1128	0.2179	1.8029	1.8289	5.7410
10	1.0477	0.9242	1.0714	0.2383	0.9407	1.1123	0.2104	1.6110	1.6564	2.1175
15	1.1174	0.9204	1.0515	0.2442	0.9452	1.1179	0.2027	1.5105	1.5727	1.1471
20	1.2062	0.9168	1.0308	0.2495	0.9498	1.1178	0.1948	1.4438	1.5212	0.7282
25	1.3104	0.9133	1.0093	0.2542	0.9546	1.1186	0.1868	1.3948	1.4860	0.5049
30	1.4268	0.9099	0.9869	0.2583	0.9595	1.1203	0.1788	1.3563	1.4604	0.3707
35	1.5531	0.9066	0.9636	0.2616	0.9647	1.1219	0.1708	1.3249	1.4409	0.2834
40	1.6871	0.9035	0.9395	0.2642	0.9700	1.1249	0.1629	1.2983	1.4256	0.2237
45	1.8271	0.9004	0.9145	0.2660	0.9756	1.1262	0.1552	1.2754	1.4132	0.1812
50	1.9715	0.8975	0.8887	0.2669	0.9813	1.1268	0.1478	1.2551	1.4030	0.1501
55	2.1192	0.8947	0.8621	0.2670	0.9874	1.1269	0.1407	1.2369	1.3944	0.1270
60	2.2696	0.8921	0.8347	0.2662	0.9937	1.1266	0.1341	1.2203	1.3870	0.1097
65	2.4228	0.8895	0.8065	0.2644	1.0005	1.1254	0.1281	1.2049	1.3805	0.0967
70	2.5803	0.8871	0.7775	0.2617	1.0076	1.1239	0.1229	1.1903	1.3747	0.0874
75	2.7462	0.8848	0.7477	0.2581	1.0154	1.1221	0.1189	1.1763	1.3693	0.0812
80	2.9303	0.8825	0.7172	0.2535	1.0239	1.1200	0.1168	1.1624	1.3642	0.0783
85	3.1577	0.8804	0.6860	0.2479	1.0336	1.1208	0.1181	1.1481	1.3592	0.0799
90	3.5081	0.8785	0.6542	0.2414	1.0453	1.1219	0.1273	1.1326	1.3538	0.0902
95	4.4756	0.8766	0.6216	0.2340	1.0617	1.1224	0.1731	1.1128	1.3469	0.1377
100	1.9850	0.8748	0.5885	0.2257						
105	2.0317	0.8732	0.5547	0.2164						
110	2.0608	0.8716	0.5204	0.2063						
115	2.0708	0.8702	0.4855	0.1954						
120	2.0601	0.8689	0.4502	0.1837						
125	2.0275	0.8677	0.4143	0.1712						
130	1.9717	0.8666	0.3781	0.1580						
135	1.8918	0.8656	0.3414	0.1441						
140	1.7867	0.8647	0.3044	0.1297						
145	1.6559	0.8639	0.2670	0.1147						
150	1.4988	0.8632	0.2294	0.0992						
155	1.3151	0.8626	0.1916	0.0834						
160	1.1046	0.8622	0.1535	0.0671						
165	0.8675	0.8618	0.1153	0.0506						
170	0.6039	0.8615	0.0769	0.0338						
175	0.3145	0.8614	0.0385	0.0170						
180	0.	0.8613	0.	0.						

GAMMA = 1.0000

ALPHA = 16.000

K = 1.800

DC = 2.2937 XR = 1.0825 BR = 1.309488 TR = 82.98 CR = 1.4483 QR = 0.2716E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9335	1.0955	0.2198	0.9335	1.0955	0.2198			
5	1.0043	0.9291	1.0776	0.2264	0.9381	1.1126	0.2129	1.7679	1.7935	5.5206
10	1.0516	0.9248	1.0588	0.2326	0.9429	1.1289	0.2057	1.5793	1.6239	2.0383
15	1.1251	0.9207	1.0393	0.2383	0.9478	1.1444	0.1984	1.4809	1.5419	1.1065
20	1.2190	0.9168	1.0188	0.2435	0.9530	1.1592	0.1909	1.4152	1.4911	0.7049
25	1.3294	0.9130	0.9975	0.2481	0.9584	1.1732	0.1834	1.3667	1.4563	0.4912
30	1.4534	0.9094	0.9754	0.2521	0.9640	1.1865	0.1760	1.3285	1.4308	0.3630
35	1.5890	0.9059	0.9524	0.2554	0.9699	1.1991	0.1687	1.2970	1.4112	0.2801
40	1.7346	0.9025	0.9286	0.2579	0.9761	1.2111	0.1618	1.2702	1.3956	0.2237
45	1.8893	0.8993	0.9040	0.2597	0.9827	1.2224	0.1552	1.2469	1.3829	0.1840
50	2.0536	0.8962	0.8785	0.2606	0.9897	1.2332	0.1493	1.2259	1.3722	0.1556
55	2.2273	0.8932	0.8522	0.2607	0.9971	1.2436	0.1442	1.2068	1.3630	0.1354
60	2.4162	0.8904	0.8251	0.2599	1.0052	1.2535	0.1405	1.1888	1.3547	0.1215
65	2.6299	0.8877	0.7972	0.2582	1.0142	1.2632	0.1389	1.1715	1.3472	0.1135
70	2.8939	0.8851	0.7686	0.2556	1.0245	1.2728	0.1413	1.1542	1.3399	0.1120
75	3.2898	0.8827	0.7392	0.2521	1.0369	1.2828	0.1535	1.1358	1.3323	0.1222
80	4.2981	0.8804	0.7090	0.2476	1.0544	1.2945	0.2088	1.1132	1.3231	0.1763
85	1.7842	0.8782	0.6782	0.2422						
90	1.8752	0.8761	0.6467	0.2359						
95	1.9535	0.8741	0.6146	0.2287						
100	2.0174	0.8723	0.5818	0.2205						
105	2.0650	0.8705	0.5484	0.2115						
110	2.0947	0.8689	0.5145	0.2016						
115	2.1048	0.8674	0.4800	0.1910						
120	2.0941	0.8660	0.4451	0.1795						
125	2.0610	0.8648	0.4096	0.1673						
130	2.0044	0.8636	0.3738	0.1544						
135	1.9231	0.8626	0.3375	0.1409						
140	1.8164	0.8616	0.3009	0.1268						
145	1.6835	0.8608	0.2640	0.1121						
150	1.5238	0.8601	0.2268	0.0970						
155	1.3370	0.8595	0.1894	0.0815						
160	1.1231	0.8590	0.1518	0.0656						
165	0.8819	0.8586	0.1140	0.0494						
170	0.6140	0.8584	0.0760	0.0331						
175	0.3198	0.8582	0.0380	0.0166						
180	0.	0.8581	0.	0.						

GAMMA = 1.0000

ALPHA = 16.000

K = 2.000

DC = 2.3167 XR = 1.0794 BR = 1.287000 TR = 72.32 CR = 1.2623 QR = 0.1865E 03										
THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9347	1.0846	0.2159	0.9347	1.0846	0.2159			
5	1.0057	0.9299	1.0668	0.2222	0.9396	1.1015	0.2093	1.7373	1.7623	5.3309
10	1.0561	0.9253	1.0482	0.2282	0.9449	1.1177	0.2026	1.5518	1.5956	1.9706
15	1.1341	0.9209	1.0288	0.2337	0.9503	1.1332	0.1957	1.4547	1.5147	1.0724
20	1.2339	0.9167	1.0086	0.2387	0.9561	1.1479	0.1888	1.3898	1.4646	0.6859
25	1.3518	0.9126	0.9875	0.2432	0.9621	1.1619	0.1820	1.3417	1.4300	0.4807
30	1.4854	0.9088	0.9656	0.2470	0.9684	1.1752	0.1754	1.3036	1.4044	0.3581
35	1.6334	0.9051	0.9428	0.2502	0.9752	1.1880	0.1693	1.2720	1.3847	0.2794
40	1.7957	0.9015	0.9193	0.2527	0.9824	1.2001	0.1638	1.2448	1.3687	0.2265
45	1.9736	0.8981	0.8949	0.2544	0.9902	1.2118	0.1593	1.2206	1.3554	0.1903
50	2.1719	0.8948	0.8696	0.2554	0.9987	1.2231	0.1563	1.1986	1.3440	0.1660
55	2.4022	0.8917	0.8436	0.2554	1.0082	1.2342	0.1560	1.1778	1.3337	0.1512
60	2.6944	0.8888	0.8168	0.2547	1.0191	1.2453	0.1608	1.1574	1.3240	0.1464
65	3.1483	0.8859	0.7892	0.2530	1.0326	1.2570	0.1788	1.1358	1.3140	0.1583
70	4.4630	0.8832	0.7608	0.2505	1.0527	1.2714	0.2662	1.1090	1.3016	0.2412
75	1.5949	0.8807	0.7317	0.2470						
80	1.7075	0.8782	0.7019	0.2426						
85	1.8109	0.8759	0.6714	0.2374						
90	1.9033	0.8738	0.6402	0.2312						
95	1.9829	0.8717	0.6084	0.2241						
100	2.0477	0.8698	0.5760	0.2161						
105	2.0961	0.8680	0.5429	0.2073						
110	2.1262	0.8663	0.5093	0.1976						
115	2.1366	0.8648	0.4752	0.1872						
120	2.1257	0.8633	0.4406	0.1759						
125	2.0922	0.8620	0.4055	0.1640						
130	2.0347	0.8608	0.3701	0.1514						
135	1.9523	0.8597	0.3342	0.1381						
140	1.8440	0.8588	0.2979	0.1243						
145	1.7091	0.8579	0.2614	0.1099						
150	1.5470	0.8572	0.2246	0.0951						
155	1.3574	0.8566	0.1875	0.0799						
160	1.1401	0.8560	0.1502	0.0643						
165	0.8954	0.8556	0.1128	0.0485						
170	0.6234	0.8554	0.0753	0.0324						
175	0.3247	0.8552	0.0377	0.0162						
180	0.	0.8551	0.	0.						

GAMMA = 1.0000

ALPHA = 16.000

K = 2.200

DC = 2.3375

XR = 1.0771

BR = 1.268190

TR = 64.23

CR = 1.1216

QR = 0.1391E 03

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9357	1.0752	0.2131	0.9357	1.0752	0.2131			
5	1.0074	0.9305	1.0575	0.2196	0.9411	1.0921	0.2069	1.7098	1.7345	5.1654
10	1.0611	0.9256	1.0390	0.2247	0.9467	1.1083	0.2006	1.5274	1.5705	1.9119
15	1.1441	0.9210	1.0198	0.2300	0.9527	1.1237	0.1943	1.4314	1.4905	1.0434
20	1.2508	0.9165	0.9997	0.2348	0.9590	1.1384	0.1881	1.3671	1.4408	0.6704
25	1.3778	0.9122	0.9788	0.2391	0.9657	1.1525	0.1823	1.3193	1.4063	0.4730
30	1.5235	0.9081	0.9570	0.2429	0.9728	1.1661	0.1770	1.2811	1.3806	0.3558
35	1.6884	0.9042	0.9345	0.2459	0.9805	1.1791	0.1725	1.2490	1.3605	0.2814
40	1.8753	0.9005	0.9111	0.2483	0.9889	1.1916	0.1694	1.2211	1.3440	0.2328
45	2.0922	0.8969	0.8869	0.2500	0.9983	1.2039	0.1687	1.1959	1.3299	0.2016
50	2.3598	0.8935	0.8619	0.2509	1.0089	1.2162	0.1724	1.1721	1.3173	0.1847
55	2.7383	0.8903	0.8361	0.2509	1.0217	1.2289	0.1859	1.1483	1.3051	0.1844
60	3.5105	0.8871	0.8095	0.2502	1.0390	1.2433	0.2348	1.1218	1.2918	0.2242
65	1.3688	0.8842	0.7822	0.2485						
70	1.4957	0.8814	0.7541	0.2460						
75	1.6172	0.8787	0.7252	0.2426						
80	1.7313	0.8762	0.6957	0.2383						
85	1.8362	0.8738	0.6654	0.2332						
90	1.9299	0.8716	0.6345	0.2271						
95	2.0105	0.8694	0.6030	0.2201						
100	2.0763	0.8675	0.5708	0.2123						
105	2.1253	0.8656	0.5381	0.2036						
110	2.1559	0.8639	0.5048	0.1941						
115	2.1665	0.8622	0.4710	0.1838						
120	2.1554	0.8608	0.4367	0.1728						
125	2.1214	0.8594	0.4019	0.1611						
130	2.0632	0.8582	0.3668	0.1487						
135	1.9796	0.8570	0.3312	0.1356						
140	1.8698	0.8560	0.2953	0.1221						
145	1.7329	0.8552	0.2591	0.1080						
150	1.5686	0.8544	0.2226	0.0934						
155	1.3763	0.8538	0.1858	0.0784						
160	1.1561	0.8532	0.1489	0.0632						
165	0.9079	0.8528	0.1118	0.0476						
170	0.6321	0.8525	0.0746	0.0319						
175	0.3292	0.8524	0.0373	0.0160						
180	0.	0.8523	0.	0.						

GAMMA = 1.0000

ALPHA = 16.000

K = 2.600

DC = 2.3739

XR = 1.0736

BR = 1.238507

TR = 52.66

CR = 0.9191

QR = 0.8971E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9374	1.0599	0.2097	0.9374	1.0599	0.2097			
5	1.0111	0.9316	1.0423	0.2149	0.9435	1.0768	0.2045	1.6625	1.6866	4.8888
10	1.0726	0.9261	1.0239	0.2199	0.9501	1.0931	0.1994	1.4850	1.5270	1.8154
15	1.1677	0.9209	1.0048	0.2246	0.9570	1.1087	0.1947	1.3911	1.4487	0.9974
20	1.2912	0.9159	0.9849	0.2290	0.9646	1.1238	0.1906	1.3277	1.3995	0.6479
25	1.4421	0.9112	0.9642	0.2329	0.9727	1.1383	0.1877	1.2799	1.3650	0.4649
30	1.6233	0.9067	0.9428	0.2363	0.9818	1.1526	0.1865	1.2410	1.3387	0.3588
35	1.8446	0.9025	0.9205	0.2392	0.9919	1.1667	0.1887	1.2076	1.3174	0.2953
40	2.1334	0.8984	0.8974	0.2414	1.0037	1.1810	0.1973	1.1771	1.2989	0.2613
45	2.5798	0.8945	0.8735	0.2429	1.0184	1.1962	0.2225	1.1472	1.2816	0.2581
50	3.7575	0.8909	0.8489	0.2436	1.0401	1.2150	0.3277	1.1129	1.2620	0.3443
55	1.1353	0.8873	0.8235	0.2436						
60	1.2708	0.8840	0.7973	0.2428						
65	1.4044	0.8809	0.7703	0.2412						
70	1.5344	0.8779	0.7426	0.2387						
75	1.6588	0.8750	0.7142	0.2354						
80	1.7757	0.8723	0.6851	0.2312						
85	1.8831	0.8698	0.6553	0.2262						
90	1.9791	0.8674	0.6249	0.2202						
95	2.0617	0.8651	0.5938	0.2135						
100	2.1290	0.8630	0.5621	0.2059						
105	2.1792	0.8611	0.5299	0.1975						
110	2.2105	0.8592	0.4971	0.1882						
115	2.2212	0.8575	0.4638	0.1783						
120	2.2098	0.8560	0.4300	0.1676						
125	2.1749	0.8545	0.3958	0.1562						
130	2.1151	0.8532	0.3611	0.1442						
135	2.0294	0.8520	0.3261	0.1315						
140	1.9168	0.8510	0.2908	0.1184						
145	1.7765	0.8501	0.2551	0.1047						
150	1.6080	0.8493	0.2192	0.0906						
155	1.4109	0.8486	0.1830	0.0761						
160	1.1851	0.8481	0.1466	0.0612						
165	0.9307	0.8476	0.1101	0.0462						
170	0.6479	0.8473	0.0735	0.0309						
175	0.3375	0.8471	0.0368	0.0155						
180	0.	0.8471	0.	0.						

GAMMA = 1.0000

ALPHA = 16.000

K = 3.000

DC = 2.4051

XR = 1.0712

BR = 1.216145

TR = 44.72

CR = 0.7805

QR = 0.6514E 02

THETA	ST	X1	B1	S1	X2	B2	S2	X3	B3	S3
0	1.0000	0.9387	1.0480	0.2086	0.9387	1.0480	0.2086			
5	1.0154	0.9323	1.0303	0.2128	0.9456	1.0651	0.2046	1.6233	1.6467	4.6647
10	1.0863	0.9262	1.0120	0.2170	0.9531	1.0816	0.2012	1.4492	1.4903	1.7395
15	1.1958	0.9205	0.9929	0.2211	0.9611	1.0976	0.1987	1.3571	1.4134	0.9635
20	1.3416	0.9152	0.9731	0.2250	0.9700	1.1132	0.1978	1.2941	1.3645	0.6347
25	1.5275	0.9101	0.9525	0.2285	0.9799	1.1287	0.1998	1.2457	1.3294	0.4659
30	1.7699	0.9052	0.9312	0.2315	0.9914	1.1443	0.2072	1.2054	1.3018	0.3738
35	2.1198	0.9007	0.9091	0.2341	1.0052	1.1606	0.2269	1.1690	1.2782	0.3314
40	2.8010	0.8963	0.8863	0.2361	1.0240	1.1793	0.2880	1.1323	1.2553	0.3522
45	0.8878	0.8922	0.8627	0.2374						
50	1.0244	0.8883	0.8383	0.2380						
55	1.1628	0.8845	0.8131	0.2379						
60	1.3011	0.8810	0.7872	0.2370						
65	1.4375	0.8777	0.7606	0.2354						
70	1.5702	0.8745	0.7332	0.2329						
75	1.6971	0.8715	0.7051	0.2296						
80	1.8164	0.8687	0.6764	0.2255						
85	1.9260	0.8660	0.6469	0.2205						
90	2.0239	0.8635	0.6169	0.2147						
95	2.1081	0.8612	0.5862	0.2081						
100	2.1767	0.8589	0.5549	0.2007						
105	2.2279	0.8569	0.5231	0.1925						
110	2.2597	0.8550	0.4907	0.1835						
115	2.2706	0.8532	0.4578	0.1737						
120	2.2588	0.8516	0.4245	0.1633						
125	2.2230	0.8501	0.3907	0.1522						
130	2.1618	0.8487	0.3565	0.1405						
135	2.0741	0.8475	0.3219	0.1282						
140	1.9590	0.8464	0.2870	0.1153						
145	1.8155	0.8454	0.2518	0.1020						
150	1.6433	0.8446	0.2163	0.0882						
155	1.4418	0.8439	0.1806	0.0741						
160	1.2111	0.8433	0.1447	0.0597						
165	0.9511	0.8429	0.1087	0.0450						
170	0.6621	0.8426	0.0725	0.0301						
175	0.3448	0.8424	0.0363	0.0151						
180	0.	0.8423	0.	0.						

GAMMA=1.0000

ALPHA=16.000

K= 4.00

DC= 2.4677

XR= 1.06736

BR= 1.17868

TR=32.5967

CR= 0.56892

QR=37.88060

THETA	ST	X1	B1	S1
0	1.0000	0.9412	1.0272	0.2117
5	1.0280	0.9333	1.0091	0.2129
10	1.1282	0.9259	0.9904	0.2148
15	1.2890	0.9191	0.9712	0.2171
20	1.5282	0.9128	0.9514	0.2195
25	1.9242	0.9069	0.9309	0.2218
30	3.0053	0.9013	0.9098	0.2239
35	0.6646	0.8961	0.8879	0.2257
40	0.7988	0.8912	0.8654	0.2270
45	0.9380	0.8865	0.8422	0.2279
50	1.0806	0.8821	0.8182	0.2281
55	1.2249	0.8780	0.7935	0.2277
60	1.3690	0.8741	0.7681	0.2266
65	1.5112	0.8704	0.7420	0.2248
70	1.6494	0.8669	0.7152	0.2223
75	1.7815	0.8636	0.6878	0.2190
80	1.9057	0.8605	0.6597	0.2149
85	2.0196	0.8576	0.6309	0.2101
90	2.1214	0.8549	0.6015	0.2045
95	2.2089	0.8523	0.5716	0.1981
100	2.2800	0.8499	0.5410	0.1910
105	2.3329	0.8477	0.5100	0.1831
110	2.3657	0.8456	0.4784	0.1745
115	2.3765	0.8437	0.4463	0.1652
120	2.3637	0.8419	0.4138	0.1553
125	2.3259	0.8403	0.3808	0.1447
130	2.2615	0.8388	0.3475	0.1335
135	2.1695	0.8375	0.3138	0.1218
140	2.0488	0.8364	0.2797	0.1096
145	1.8986	0.8353	0.2454	0.0969
150	1.7184	0.8344	0.2108	0.0838
155	1.5076	0.8337	0.1760	0.0704
160	1.2662	0.8331	0.1411	0.0567
165	0.9943	0.8326	0.1059	0.0427
170	0.6922	0.8322	0.0707	0.0286
175	0.3605	0.8320	0.0354	0.0143
180	0.	0.8320	0.	0.

GAMMA=1.0000

ALPHA=16.000

K= 5.00

DC= 2.5167

XR= 1.06515

BR= 1.15549

TR=25.6952

CR= 0.44847

QR=26.45958

THETA	ST	X1	B1	S1
0	1.0000	0.9429	1.0138	0.2197
5	1.0436	0.9335	0.9949	0.2170
10	1.1834	0.9250	0.9757	0.2161
15	1.4268	0.9173	0.9562	0.2164
20	1.9013	0.9102	0.9362	0.2173
25	0.4424	0.9036	0.9156	0.2185
30	0.5672	0.8975	0.8945	0.2196
35	0.6998	0.8917	0.8728	0.2206
40	0.8389	0.8863	0.8504	0.2213
45	0.9830	0.8813	0.8273	0.2217
50	1.1304	0.8765	0.8036	0.2215
55	1.2794	0.8721	0.7792	0.2208
60	1.4283	0.8679	0.7542	0.2195
65	1.5749	0.8639	0.7284	0.2175
70	1.7174	0.8602	0.7020	0.2149
75	1.8537	0.8567	0.6750	0.2115
80	1.9816	0.8534	0.6474	0.2075
85	2.0990	0.8503	0.6191	0.2027
90	2.2037	0.8474	0.5902	0.1972
95	2.2936	0.8447	0.5608	0.1910
100	2.3666	0.8422	0.5308	0.1840
105	2.4207	0.8398	0.5003	0.1764
110	2.4540	0.8376	0.4693	0.1681
115	2.4646	0.8356	0.4378	0.1591
120	2.4509	0.8337	0.4058	0.1495
125	2.4111	0.8320	0.3735	0.1392
130	2.3440	0.8305	0.3408	0.1285
135	2.2483	0.8291	0.3077	0.1172
140	2.1230	0.8279	0.2743	0.1054
145	1.9671	0.8268	0.2407	0.0932
150	1.7802	0.8259	0.2068	0.0806
155	1.5617	0.8251	0.1726	0.0677
160	1.3116	0.8244	0.1383	0.0545
165	1.0299	0.8239	0.1039	0.0411
170	0.7170	0.8236	0.0693	0.0275
175	0.3734	0.8234	0.0347	0.0138
180	0.	0.8233	0.	0.

GAMMA=1.0000 ALPHA=16.000 K= 6.00

DC= 2.5570 XR= 1.06371 BR= 1.13972
TR=21.2218 CR= 0.37039 QR=20.26928

THETA	ST	X1	B1	S1
0	1.0000	0.9441	1.0044	0.2304
5	1.0618	0.9333	0.9846	0.2229
10	1.2535	0.9238	0.9648	0.2191
15	1.6463	0.9153	0.9448	0.2173
20	3.3788	0.9075	0.9246	0.2167
25	0.4663	0.9003	0.9039	0.2167
30	0.5953	0.8937	0.8827	0.2169
35	0.7321	0.8876	0.8610	0.2172
40	0.8753	0.8818	0.8387	0.2173
45	1.0235	0.8764	0.8158	0.2172
50	1.1750	0.8714	0.7922	0.2167
55	1.3280	0.8667	0.7680	0.2157
60	1.4807	0.8623	0.7432	0.2141
65	1.6312	0.8581	0.7178	0.2120
70	1.7773	0.8542	0.6917	0.2092
75	1.9169	0.8505	0.6650	0.2059
80	2.0478	0.8471	0.6377	0.2018
85	2.1680	0.8438	0.6097	0.1970
90	2.2750	0.8408	0.5813	0.1916
95	2.3669	0.8380	0.5522	0.1855
100	2.4414	0.8354	0.5227	0.1787
105	2.4964	0.8329	0.4926	0.1712
110	2.5300	0.8306	0.4620	0.1630
115	2.5404	0.8285	0.4310	0.1543
120	2.5256	0.8266	0.3995	0.1449
125	2.4842	0.8249	0.3677	0.1350
130	2.4147	0.8233	0.3355	0.1245
135	2.3157	0.8218	0.3029	0.1136
140	2.1863	0.8206	0.2700	0.1022
145	2.0256	0.8195	0.2369	0.0903
150	1.8329	0.8185	0.2035	0.0781
155	1.6079	0.8177	0.1699	0.0656
160	1.3503	0.8170	0.1361	0.0528
165	1.0662	0.8165	0.1022	0.0398
170	0.7381	0.8161	0.0682	0.0266
175	0.3844	0.8159	0.0341	0.0133
180	0.	0.8158	0.	0.

GAMMA=1.0000 ALPHA=16.000 K= 8.00

DC= 2.6217 XR= 1.06194 BR= 1.11964
TR=15.7542 CR= 0.27496 QR=13.77256

THETA	ST	X1	B1	S1
0	1.0000	0.9456	0.9921	0.2557
5	1.1061	0.9323	0.9703	0.2372
10	1.4626	0.9210	0.9492	0.2269
15	0.2648	0.9111	0.9284	0.2209
20	0.3823	0.9022	0.9076	0.2173
25	0.5097	0.8941	0.8866	0.2152
30	0.6458	0.8867	0.8652	0.2138
35	0.7895	0.8799	0.8434	0.2128
40	0.9395	0.8736	0.8212	0.2119
45	1.0943	0.8678	0.7984	0.2110
50	1.2523	0.8623	0.7750	0.2098
55	1.4118	0.8572	0.7511	0.2083
60	1.5707	0.8525	0.7266	0.2064
65	1.7272	0.8480	0.7016	0.2039
70	1.8790	0.8438	0.6759	0.2010
75	2.0239	0.8399	0.6497	0.1975
80	2.1597	0.8363	0.6229	0.1933
85	2.2841	0.8328	0.5955	0.1886
90	2.3948	0.8296	0.5676	0.1832
95	2.4896	0.8266	0.5392	0.1772
100	2.5663	0.8239	0.5102	0.1706
105	2.6226	0.8213	0.4808	0.1634
110	2.6566	0.8189	0.4509	0.1555
115	2.6662	0.8167	0.4206	0.1471
120	2.6497	0.8147	0.3899	0.1381
125	2.6053	0.8128	0.3588	0.1286
130	2.5316	0.8111	0.3273	0.1186
135	2.4272	0.8096	0.2955	0.1082
140	2.2910	0.8083	0.2634	0.0973
145	2.1222	0.8071	0.2311	0.0860
150	1.9200	0.8061	0.1985	0.0743
155	1.6840	0.8053	0.1657	0.0624
160	1.4141	0.8046	0.1328	0.0502
165	1.1102	0.8040	0.0997	0.0379
170	0.7728	0.8037	0.0665	0.0253
175	0.4024	0.8034	0.0333	0.0127
180	0.	0.8033	0.	0.

GAMMA=1.0000 ALPHA=16.000 K= 10.00

DC= 2.6730 XR= 1.06089 BR= 1.10739
TR=12.5322 CR= 0.21873 QR=10.41809

THETA	ST	X1	B1	S1
0	1.0000	0.9466	0.9844	0.2840
5	1.1621	0.9309	0.9605	0.2521
10	1.8890	0.9180	0.9382	0.2351
15	0.2906	0.9069	0.9166	0.2251
20	0.4147	0.8971	0.8952	0.2188
25	0.5481	0.8884	0.8739	0.2148
30	0.6899	0.8804	0.8523	0.2120
35	0.8391	0.8732	0.8304	0.2100
40	0.9945	0.8665	0.8081	0.2083
45	1.1546	0.8603	0.7854	0.2067
50	1.3179	0.8545	0.7622	0.2050
55	1.4824	0.8491	0.7385	0.2030
60	1.6463	0.8441	0.7142	0.2008
65	1.8074	0.8395	0.6894	0.1981
70	1.9637	0.8351	0.6641	0.1950
75	2.1127	0.8310	0.6382	0.1914
80	2.2523	0.8272	0.6117	0.1872
85	2.3800	0.8236	0.5848	0.1824
90	2.4935	0.8203	0.5573	0.1771
95	2.5905	0.8172	0.5293	0.1712
100	2.6687	0.8143	0.5008	0.1647
105	2.7259	0.8117	0.4719	0.1576
110	2.7600	0.8092	0.4425	0.1500
115	2.7689	0.8069	0.4127	0.1418
120	2.7507	0.8048	0.3826	0.1331
125	2.7038	0.8029	0.3520	0.1239
130	2.6266	0.8012	0.3211	0.1143
135	2.5177	0.7996	0.2899	0.1041
140	2.3760	0.7983	0.2584	0.0936
145	2.2005	0.7970	0.2267	0.0828
150	1.9905	0.7960	0.1947	0.0715
155	1.7456	0.7951	0.1626	0.0601
160	1.4657	0.7944	0.1302	0.0483
165	1.1506	0.7939	0.0978	0.0364
170	0.8009	0.7935	0.0653	0.0244
175	0.4171	0.7932	0.0326	0.0122
180	0.	0.7931	0.	0.

GAMMA=1.0000 ALPHA=16.000 K= 20.00

DC= 2.8406 XR= 1.05882 BR= 1.08242
TR= 6.2020 CR= 0.10824 QR= 4.68936

THETA	ST	X1	B1	S1
0	1.0000	0.9488	0.9684	0.4401
5	1.9144	0.9226	0.9346	0.3177
10	0.2540	0.9039	0.9071	0.2680
15	0.3930	0.8891	0.8824	0.2416
20	0.5386	0.8766	0.8591	0.2256
25	0.6915	0.8658	0.8364	0.2151
30	0.8519	0.8563	0.8141	0.2078
35	1.0191	0.8477	0.7918	0.2024
40	1.1920	0.8399	0.7694	0.1981
45	1.3693	0.8328	0.7468	0.1945
50	1.5493	0.8262	0.7239	0.1912
55	1.7301	0.8202	0.7007	0.1881
60	1.9097	0.8146	0.6771	0.1849
65	2.0857	0.8094	0.6531	0.1815
70	2.2560	0.8045	0.6286	0.1778
75	2.4179	0.8000	0.6037	0.1738
80	2.5690	0.7958	0.5783	0.1695
85	2.7067	0.7919	0.5525	0.1647
90	2.8285	0.7883	0.5263	0.1595
95	2.9319	0.7849	0.4997	0.1538
100	3.0144	0.7818	0.4726	0.1477
105	3.0735	0.7789	0.4451	0.1411
110	3.1070	0.7762	0.4173	0.1340
115	3.1126	0.7738	0.3891	0.1266
120	3.0884	0.7715	0.3605	0.1186
125	3.0323	0.7695	0.3317	0.1103
130	2.9429	0.7676	0.3025	0.1016
135	2.8184	0.7659	0.2730	0.0925
140	2.6578	0.7645	0.2433	0.0831
145	2.4599	0.7632	0.2134	0.0734
150	2.2239	0.7621	0.1833	0.0634
155	1.9495	0.7611	0.1530	0.0532
160	1.6362	0.7603	0.1226	0.0428
165	1.2841	0.7598	0.0920	0.0323
170	0.8936	0.7593	0.0614	0.0216
175	0.4653	0.7591	0.0307	0.0108
180	0.	0.7590	0.	0.

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